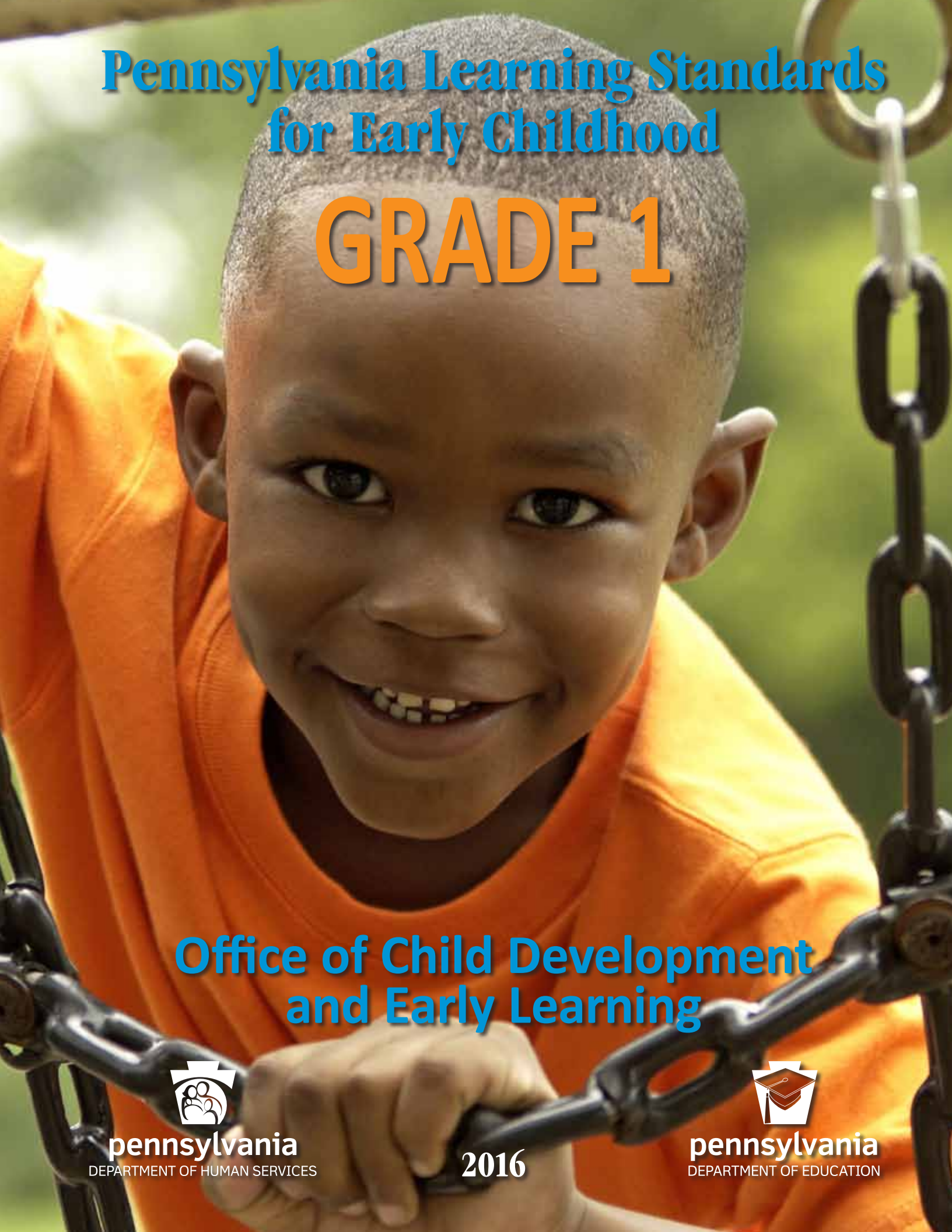
Pennsylvania Learning Standards for Early Childhood

GRADE 1

Office of Child Development and Early Learning



pennsylvania
DEPARTMENT OF HUMAN SERVICES

2016

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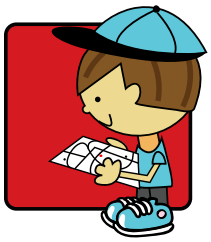

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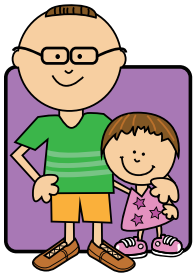

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Learning Standards Development

Pennsylvania Learning Standards for Early Childhood were originally constructed as a joint project of the Departments of Education and Human Services. The Office of Child Development and Early Learning in collaboration with the Office of Elementary and Secondary Education have overseen revisions to the standards.

Each set of standards has been formulated with help and guidance from practitioners and program specialists who represented early childhood programs, school districts, higher education, family leaders, policy analysts, and researchers. A group of Pennsylvania educators, in conjunction with the Office of Child Development and Early Learning, created a set of Pennsylvania Core Standards beginning with Pre-Kindergarten. The Pennsylvania Core Standards start in Pre-Kindergarten and continue through 12th grade. The Pennsylvania State Board of Education adopted the Pennsylvania Core Standards in March 2014. The 2014 revisions include updates related to the Pennsylvania Core Standards; Science, Technology, Engineering, and Math (STEM) supportive practices; and current research trends.

Learning Standards for Early Childhood are used to:

- Inform professionals about curriculum and assessment
- Guide the selection of instructional materials and the design of interactions/goal setting
- Inform families of appropriate expectations for children
- Provide a common framework for community-based birth–grade 3 alignment work

Learning Standards for Early Childhood are NOT used as:

- A specific curriculum
- A means to prohibit children from moving from one grade or age level to another
- A specific assessment of the competence of children or teachers

INTRODUCTION

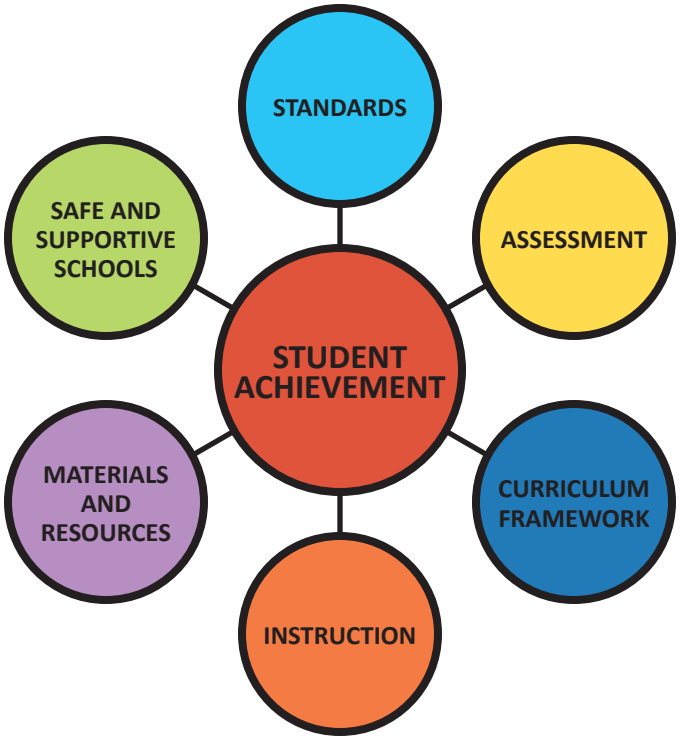
Children are born with an incredible capacity and desire to learn. More than 40 years of research confirms the foundational importance of early education and care for children's school and life success. It is essential that children's first experiences are robust ones, steeped in activities that develop critical thinking and problem-solving skills, a deep understanding about themselves in a social society, and age-appropriate content.

Instructional practices must embed the domains of development—cognitive, social-emotional, language, and physical—with approaches to learning that enable children to explore, understand, and reach beyond the "here and now" to challenge themselves, experiment, and transform information into meaningful content and skills.

Professionals interacting with young children have the critical task of providing rich information and experiences. Such experiences build skills and understanding in the context of everyday routines and within intentionally-designed play opportunities that capture children's interests and curiosity. Pennsylvania Learning Standards for Early Childhood are designed to support and enhance the learning environment; responsive relationships; age, cultural, and linguistically-appropriate curriculum; and practices being used to assess children, classrooms, and programs.

The Department of Education and the Office of Child Development and Early Learning use a Standards Aligned System. The Standards Aligned System is a collective body of research that identifies six elements which, when used together, provide a framework for program improvement and child success. The elements identified are standards, assessments, curriculum framework, instruction (including interventions), safe and supportive schools, and materials and resources. A web-based portal including more information and resources related to these elements is accessible at www.pdesas.org.

STANDARDS ALIGNED SYSTEM (SAS)



1. Standards

Learning standards provide the framework for learning. They provide the foundational information for what children should be able to know and do. Pennsylvania Learning Standards for Early Childhood build on information learned previously, creating a continuum of learning that assures consistent and linked learning that begins in infancy, increasing in complexity as it extends through graduation.

Pennsylvania also uses program standards that assure children's experiences are being offered in high-quality settings. Pennsylvania's state-funded programs all offer similar sets of standards that provide guidance on program operation that exhibit best practices.

2. Assessments

Professionals must use both informal and formal assessments to understand children's progress. In early childhood, formative assessments that provide information about how children are progressing allow professionals to make adaptations or adjustments in the individualized learning plans for every child. Early childhood professionals observe and assess children using the materials that are found in the learning environment. Professionals must use the information they have documented during observation, along with information from the family, to identify goals and next steps for children's learning.

3. Curriculum framework

A curriculum framework reminds us what information should be taught to young children within each of the Key Learning Areas. It assures the continuum of learning that begins at birth and continues through graduation. Pennsylvania's curriculum framework includes big ideas, essential questions, concepts, and competencies that further define the learning standards.

4. Instruction including interventions

Instruction in the early years often looks different than instruction in the older grades. Learning occurs within the context of play and active learning strategies where children are engaged in concrete and hands-on discovery; experimentation; and interaction with materials, their peers, and nurturing adults.

Professionals help construct knowledge during these active learning times by designing activities that build on children's prior knowledge to create new understandings and information. Direct instruction should be combined with child-initiated play to produce optimal conditions for young children's learning. Adults become facilitators who interact with children throughout the day. Adults ask open-ended questions that encourage children to think about what comes next. With this approach, adults support children's creativity, problem-solving, intuition, and inventiveness (approaches to learning) by challenging and encouraging them. Professionals design focused instruction that is based on the identified individual needs of every child and assure these experiences encompass their interests, abilities, and culture.

STEM (Science, Technology, Engineering, Math)

STEM (Science, Technology, Engineering, Math) education is an intentional, integrative approach to teaching and learning, in which students uncover and acquire a comprehensive set of concepts, competencies, and thinking skills of science, technology, engineering, and mathematics that they transfer and apply in both academic and real-world contexts.

Education in Science, Technology, Engineering, and Math beginning at birth is supported by research in neuroscience and other developmental sciences. This research shows that the basic architecture of a child's brain is constructed through an ongoing process that begins before birth and continues through adulthood. Research also confirms that the brain is predominantly receptive to learning math and logic between the ages of 1 and 4, and that early math skills are the most powerful predictors of later learning. Providing children with opportunities to have early experiences in STEM supports children in their academic growth, develops early critical thinking and reasoning skills, and enhances later interest in STEM careers. The foundations of STEM learning lie in the natural inquiry and exploration of young children, as well as intentionally-designed activities which build scientific and mathematical concepts, and the effective use of available technologies. Positive interactions early in life, in an environment intentionally designed to provide STEM experiences where children explore, ask questions, and receive support from educators, will help to lay this foundation. Early-learning STEM experiences are based on the Pennsylvania Learning Standards for Early Childhood for infants and toddlers, prekindergarten, and kindergarten through grade 2. STEM subjects are supported within these standards and are noted by the symbol throughout the supportive practices. Science, Technology, Engineering, and Math are not separate subjects broken down into their own time slots. These topics of study are incorporated and encouraged within all activities throughout the day. In addition, laying this early foundation will help to bridge the educational gap between birth to age 5 and K-12 educational programs.

Interventions

- *Early Childhood Special Education*

Early childhood classrooms should be inclusive ones where children with disabilities and developmental delays are enjoying learning experience alongside their typically developing peers. Professionals may need to adapt or modify the classroom environment, interactions, and/or materials and equipment to help children with disabilities fully participate.

Pennsylvania Learning Standards for Early Childhood are designed to be used for all children. The content within these standards provides the breadth of information from which to create goals and experiences for all children that will help them reach their highest potential while capturing their interests and building on what they already know. Professionals must emphasize and celebrate all children's accomplishments and focus on what all children can do.

- *English Language Learners/Dual Language Learners*

Children develop language much the same way they acquire other skills. Children learn native and second languages using an individual style and rate. Differences among English Language Learners/Dual Language Learners such as mixing languages or a silent period are natural. Each child's progress in learning English needs to be respected and viewed as acceptable and part of the ongoing process of learning any new skill. Children can demonstrate proficiency in most of the standards using their dominant language. Use of home language in the classroom environment, and in simple phrases, validates a child's place in the classroom, encouraging the child to see him/herself as a learner. Working alongside English-speaking adults and peers in authentic learning experiences which respect home language is an effective means of learning English. Similar to all young children, English Language Learners/Dual Language Learners benefit from use of visuals, props, and realia (objects from real life used in classroom

instruction to improve children's understanding of other cultures and real life situations). The skills needed for young English Language Learners/Dual Language Learners to become proficient in English are fully embedded in the Pennsylvania Learning Standards for Early Childhood.

5. Materials and resources

Every early-learning setting, whether it is in a home atmosphere or center-based classroom, must be a comfortable, safe, and nurturing environment where children can learn through their play. Children discover and understand science, social studies, and math information when they actively explore materials and ideas that are guided by professionals who intentionally design activities that engage children in critical thinking and processing. Children also learn about their own abilities and learning styles, how to get along with others, and how to appreciate others' contributions in classrooms that include a diverse set of materials and experiences.

School environments should be linked to a child's home environment, incorporating cultural and ethnic materials and children's home language, and provide experiences that are inclusive for all children, regardless of ability, socio-economic status, or family background. Well-designed environments demonstrate a commitment to the whole child by offering materials and activities that promote social, physical, cognitive, and language learning. Resources provided within the Standards Aligned System (SAS) portal include Pennsylvania educator-created lesson plans, instructional strategies, digital media resources, and other valuable information.

6. Safe and supportive schools

The safe and supportive schools element found on the Standards Aligned System portal showcases resources and exemplars that promote active child engagement in a safe and positive learning environment. The three areas of focus within safe and supportive schools are:

Engagement—Program engagement is essential for child success and building a positive program climate. Engagement within a program is a process of events and opportunities that lead to children gaining the skills and confidence needed to cope and feel safe within their environment. These events and opportunities include relationships, respect for cultural diversity, and family participation. Relationships are the connection between two or more people or groups and their involvement with and behavior toward one another. Respect for diversity shows an understanding, appreciation, and response to differences in individuals or groups. Family participation includes the active involvement within classroom and school events.

Safety—Program safety refers to the security of the setting and program-related activities as perceived and experienced by all stakeholders, including families, caregivers, children, school staff, and the community. Program safety encompasses both emotional and physical safety, and is influenced by positive and negative behaviors of children and staff. Emotional safety focuses on the feeling of connection, comfort, and acceptance within a secure setting. Physical safety ensures children are free from danger or threatening circumstances.

Environment—Program environment refers to the extent to which program settings promote child safety and health. Environment is inclusive of all aspects of a program—academic components, its physical and mental health supports and services, and its physical building and location within a community. The physical environment looks at the external surrounding and physical conditions within a program. Classroom assessment instruments that help providers assess the arrangement of indoor space, the provision of materials and activities, and their development of class schedules are useful in a sharing best practice implementation and alignment to Pennsylvania Learning Standards for Early Childhood. The academic environment is the climate set within a program that values and promotes learning and self-fulfillment. Wellness within a program supports good physical and mental health, including the promotion of a proper diet, exercise, and healthy habits.

EARLY CHILDHOOD CONNECTIONS

High-quality early care and education programs also promote connections that assure children's school success. Programs that build relationships with children and families and coordinate their work with other early-learning programs and school districts create strong partnerships for success.

1. Connections to children

Relationships are the key to successful connections between the adult and the child. Professionals must take time to know every child, to understand the way in which each child learns best, and to identify the special talents and skills each child possesses. Adults who work with young children must be students themselves. They must learn about children's home experiences and culture so they can design learning environments that support the home-school connection and expand prior learning into new knowledge.

2. Connections to families

Families of young children have much to offer in the learning process. When a partnership is formed between professional and family, the connection has been strengthened, assuring that children receive consistent messages about learning and skill development. Families should be given opportunities to learn about their children's day at school, to provide input into the information they want their children to learn and master, and to understand what they can do at home to enhance the learning experience. To assure effective family engagement strategies, professionals can reference the Partnerships for Learning Standards.

At-home resources for families such as *Kindergarten, Here I Come; Kindergarten, Here I Am; Learning Is Everywhere; Building Blocks for Babies; Every Day I Learn through Play;* and *Recipes for Readiness* provide professionals and families tools to share age-appropriate expectations and to connect learning experiences.

Family ethnicity and culture must be interwoven into the life of an early childhood program and classroom. Professionals must embrace all children's heritages and provide activities, materials, and experiences that help children become aware of and appreciate their own culture while learning about and appreciating the similarities and differences of others. Families can provide authentic cultural experiences and resources that support cultural awareness and appreciation. Such opportunities foster family and school relations and partnerships. Communications with families should be made in the home language. Professionals in high-quality, early education programs know and understand their own attitudes and biases and are culturally sensitive and supportive of diversity.

3. Connections with other early-learning programs

Children and families often have other needs and priorities in addition to participation in high-quality early care and education programs.

Families may need to coordinate their early care and education program services with health services or early intervention services, as well as with their other children's school experiences. Programs within a community that support families' single point of contact or help to coordinate services for children demonstrate a strong understanding and respect for families. Providers that reach out to neighborhood schools to facilitate transition into the public school or who have developed a working relationship with their intervention provider assure linkages that support children's school readiness and ongoing success. To assure effective family engagement strategies, professionals can reference the Partnerships for Learning Standards.

4. Connections for learning

Young children make learning connections through authentic hands-on experiences. Professionals that allow children time to explore and discover both inside and outside, optimize children's capacity to internalize and generalize content by making their own connections to prior knowledge. All children, regardless of age and ability, need opportunities to engage in practice activities and experiences that are steeped in play. Adults should design learning experiences with connections among multiple domains. Integrated learning experiences support both content and social and cultural learning.

THE LEARNING STANDARDS CONTINUUM

Within all Pennsylvania Learning Standards for Early Childhood, the Key Learning Areas define the domains or areas of children's learning that assure a holistic approach to instruction. All children, regardless of age and ability, should be exposed to experiences that build their skill development in approaches to learning, social and emotional development, language and literacy development, health wellness and physical development, creative expression, and the cognitive areas of mathematics, science, and social studies. The Standards within each Key Learning Area provide the information that children should know and the skills children should be able to do when they leave the age level or grade.

Pennsylvania Learning Standards for Early Childhood are connected through a continuum of learning and link to the 3rd grade academic standards. Some skills will not emerge in a noticeable way until a child is older. These standards will be intentionally blank or identified as emerging.

Professionals who view children's skill development across ages and grades will be able to understand the sequential way children learn and become familiar with the way in which teachers at higher grade levels support learning.

AGE GROUPING IN PENNSYLVANIA LEARNING STANDARDS FOR EARLY CHILDHOOD

Learning Standards for Infant-Toddler

The Infant-Toddler Standards are divided into three age levels: infant (birth through 12 months), young toddler (9 months–27 months), and older toddler (24 months through 36 months). These age divisions are arbitrary as a means for organizing the content; very young children's development is uneven and may span two or all three of the age levels in different Key Areas of Learning. This is reflected by the overlap of the age 9 months–27 months in younger toddlers.

The Standards in each Key Area of Learning are displayed on an Infant-Toddler continuum with the content within one strand presented together. Practitioners can look down each level to determine the skills that best match their children's current development, identifying additional concepts and competencies, and supportive practices to scaffold children's learning.

When strands include "emerging," these concepts are beginning to emerge but are not expected to be mastered. For example, infants and young toddlers may be exploring mathematical estimation as they interact with materials, but intentional instruction would not be appropriate for that age. Adults should continue to introduce these concepts whenever appropriate for the individual child without expectation of mastery.

Learning Standards for Pre-Kindergarten

Professionals will find the skills that pre-kindergarteners (ages three to five) are practicing and mastering within the pre-kindergarten standards. Younger preschoolers will be learning the content, while older children will be mastering the skills and showing proficiency. Classroom environments, materials, and activities that are developed for this age will be appropriate for both three- and four-year-olds; expectations for mastery will be different.

Learning Standards for Kindergarten

Students who complete kindergarten should demonstrate mastery of the skills within the kindergarten standards. This document is designed for full-day kindergarten classrooms. Half-day kindergarten teachers will need to modify the amount of content that is introduced to children during the kindergarten year, but the cognitive processing that children must develop and the holistic instruction will remain constant regardless of the length of the kindergarten day.

It is critical that kindergarten instruction occurs through an active learning approach where teachers use differentiated instructional strategies and focus on learning centers and play as key elements of the daily schedule. Child-initiated investigation should be predominant with supportive direct instruction in content areas infused throughout the day. Kindergarten children should be given opportunities to develop social and emotional skills, physical skills, and their creative expression within the course of a kindergarten day.

Learning Standards for Grades 1 and 2

Students who complete grades 1 and 2 should demonstrate mastery of the skills within the grades 1 and 2 standards. It is critical that grades 1 and 2 instruction occurs through an active learning approach where teachers use differentiated instructional strategies and focus on hands-on experiential learning that is meaningful to young learners. Child-initiated investigation should be coupled with supportive direct instruction in content areas infused throughout the day. Students should be given opportunities to develop social and emotional skills, physical skills, and their creative expression within the course of a typical day.

GUIDING PRINCIPLES

High-quality early care and education programs offer learning opportunities that have a significant impact on the success of all children. A warm, responsive relationship with a highly-trained teaching staff is foundational. It is expected that teachers will intentionally integrate developmental knowledge with the attitudes, skills, and concepts children need to make progress socially and academically. High-quality early care and education programs maintain high developmentally achievable expectations for all children using clear performance standards with a continuous cycle of assessment understood and used by staff, children, and families.

1. High-quality early care and education programs have a significant impact on children's future successes.

2. All children can learn and deserve high expectations that are age-, individually-, and culturally-appropriate.

3. Young children learn best when they are able to construct knowledge through meaningful play, active exploration of the environment, and thoughtfully planned activities.

4. The learning environment for young children should stimulate and engage their curiosity of the world around them and meet their physical and emotional needs so that they feel safe and secure.

5. Language and early literacy development must be supported and integrated throughout all aspects of early care and education programs.

6. Children's learning development and opportunities are supported when their teachers are trained in early childhood development and education, including professional training and ongoing professional development, and are intentional in their relationships and work with children and families.

7. Early care and education programs must address the individual needs of a diverse population of children, e.g., children with special needs, children from diverse cultural backgrounds, children from all socio-economic groups.

8. Early care and education programs are defined by a set of comprehensive standards that maximize a child's growth and development across cognitive and non-cognitive domains.

9. There must be a system of research-based assessments that documents children's growth and development in relationship to a defined set of standards and is used to inform instruction.

10. Children's learning is enhanced when families, schools, and communities work together.

THE LEARNING STANDARDS FOR EARLY CHILDHOOD FORMAT

Scientific Thinking and Technology

Exploring, Scientific Inquiry, and Discovery

KEY LEARNING AREA – The domains of learning that assure child's holistic development

TAG LINE

ESSENTIAL QUESTIONS – Linked to the BIG IDEAS and provides the questions that support children's inquiry

BIG IDEAS – Describes the information that children should acquire across all age levels

STANDARD AREA – Organizes the content within KEY LEARNING AREAS into smaller topics

3.1 Biological Sciences

BIG IDEAS: Living things have unique characteristics which differ from nonliving things. The characteristics of living things can be observed and studied.

ESSENTIAL QUESTIONS: In what ways do living and nonliving things differ? What are similarities, differences, and patterns of living things?

A. LIVING AND NONLIVING ORGANISMS

1. Common Characteristics of Life

Standard	Concepts and Competencies	Supportive Practices
3.1 K.A.1 **Recognize the difference between living and nonliving things.**	**The learner will:** • Sort objects by living and nonliving. • Categorize common living things into plants and animals.	**The adult will:** • Include live animals and plants along with models, stuffed animals, plastic animals and plants, and pictures/posters in the classroom. • Display worm farms, bird feeders, or ant hills for observation. • Read books about living and nonliving things. • Set up a science table or exploration area, stock with both living and nonliving things.

STRAND

CONCEPTS AND COMPETENCIES – Skills that help to define the construct of the STANDARD

SUPPORTIVE PRACTICES – Practitioners can employ these strategies to help children learn or make progress with particular skills

2. Energy Flow

Standard	Concepts and Competencies	Supportive Practices
3.1 K.A.2 **Identify basic needs of plants (water and light) and animals (food, water, and light).**	**The learner will:** • Categorize common living things into plants and animals. • State that living things need air, food, and water to survive. • Observe the effect of darkness and light on growing plants.	**The adult will:** • Display worm farms, bird feeders, or ant hills for observation. • Provide living things within the classroom that children actively care for. (e.g., nontoxic plants, classroom pet) • Explicitly discuss what living things need to survive.

STANDARD – A specific skill a child should know by the end of the developmental age range

Approaches to Learning through Play

Constructing, Organizing, and Applying Knowledge

AL.1 Constructing and Gathering Knowledge

AL.2 Organizing and Understanding Information

AL.3 Applying Knowledge

AL.4 Learning through Experience

Approaches to Learning through Play Standards describe the essential life skills that enable a child to grow, learn, develop, and become a successful member of the community. The use and development of these skills begin at birth and continue across the human life span. Approaches to Learning through Play Standards addresses how a child gathers and constructs knowledge, organizes and understands information, applies that knowledge, and transfers the self-constructed learning beyond the immediate moment. The child must develop these imperative capacities to understand and use the content of literacy, mathematics, science, and social studies, as well as necessary emotional wellbeing and lifelong success. It is essential to provide children with optimal learning opportunities that feature the development of these skills as the key component of 21st century classrooms across our state.

From the moment of birth, healthy children are in a continuous state of exploring, discovering, and constructing meaningful relationships with the world around them. These innate qualities support children as they venture out to connect with and understand the world in which they live. When children are encouraged to follow their innate inquisitiveness, they develop processes that enable them to succeed in answering important self-constructed "how" or "I wonder" questions. While children follow their own self-directed leads, they may be unsure of the outcome but are willing to take that risk to find out what will happen next. This outlook provides children with great pleasure as they interact successfully to understand their world; therefore, they desire to return to this preferred state of mind again and again. Children enjoy learning that includes active self-direction, positive anticipation, risk-taking, pleasure, knowledge construction, absorption in the moment, and the desire to return to this state of mind, which is what we call play. Therefore, play is a powerful learning tool that enables the child to grow and develop a lifelong love of learning. Play is the child's natural state of mind and therefore influences all of the child's domains of development including physical, cognitive, language, social, aesthetic, and emotional. And equally as important, play as a focused state of mind provides the child with a context and positive attitude in which to develop their Approaches to Learning skills, which are shown to lead to lifelong success.

Play, Play, and Play Some More!

The best way to support children's learning in the early years is to provide hands-on, active learning experiences that include play activities. Play enables children to weave together past knowledge and new information to acquire new understanding and skill development. A child who discovers the characteristics of apples through manipulating, investigating, and exploring them understands the depth of apples better than a child who colors a worksheet picture of an apple. Children can cooperate in the block area to determine how many blocks can be added to a structure before it falls. This type of play enhances children's social and creative thinking sequences. Play sequences and activities expand across all Key Areas of Learning and can build social, cognitive, and physical skill development when they are intentionally planned and facilitated by teachers who interact with children, asking open-ended questions to scaffold children's thinking and problem-solving.

AL.1 Constructing and Gathering Knowledge

BIG IDEAS: Children actively construct knowledge through routines, play, practices, and language. Children use a variety of strategies to gather information based upon their own individualized approach to learning.
ESSENTIAL QUESTIONS: What strategies can be used to gather information? What can I learn from my everyday experiences, including play?

A. CURIOSITY AND INITIATIVE

Standard	Concepts and Competencies	Supportive Practices
AL.1 1.A **Explore and ask questions to seek meaningful information about a growing range of topics, ideas, and tasks.**	**The learner will:** • Use senses to explore and learn from the environment. • Show interest and inquire about others' work. • Ask questions to understand something. (e.g., "How does that work?") • Use play to practice new skills and knowledge. • Demonstrate interest in new materials and experiences that are introduced into the classroom. (e.g., use play to practice new skills and knowledge, use vocabulary words or concepts learned in class during play) • Ask questions to learn from others. (e.g., "How did you make that?")	**The adult will:** - Design a classroom with clearly defined interest areas and materials that invite students to explore, discover, and create. - Provide a variety of materials to stimulate experiences, knowledge, participation, and interests. (e.g., materials/activities appealing to a variety of senses, learning styles, multiple intelligences) - Respond to students' questions (inquiry) with explanations that may help them understand. - Encourage students to research answers to questions through books and other media. - Provide a variety of subject-integrated activities. - Ask open-ended and higher-level questions to facilitate sharing, engage the listener, seek meaningful information, and extend learning. - Provide ample time to practice new skills and knowledge through playful experiences. - Regularly rotate classroom materials and formally introduce new objects and activities into the classroom by showing excitement. (e.g., "Look what I brought for us to do today!")

B. RISK-TAKING

Standard	Concepts and Competencies	Supportive Practices
AL.1 1.B **Participate in a variety of challenging experiences.**	**The learner will:** • Actively explore new materials that are introduced into the classroom. • Imitate peer or adult engaged in new or challenging activities. • State discomfort at trying something new but make attempts to try with encouragement. • Listen attentively to learn appropriate techniques for a new skill, and follow through using the learned technique. • Differentiate between appropriate and inappropriate methods for learning information. (e.g., understand that jumping from a high wall is a dangerous way to discover its height) • Deal with success in a positive way and view challenges as growing experiences.	**The adult will:** - Introduce new materials and activities by explaining what they are and providing instructions on use. - Support students when activity becomes challenging. (e.g., active listening, encouragement, offer specific feedback) - Engage students in "what if" scenarios to discuss potentially dangerous or inappropriate responses to situations. - Rotate materials in the classroom often to provide a variety of diverse experiences. - Demonstrate enthusiasm when introducing new materials and challenges.

C. STAGES OF PLAY

Standard	Concepts and Competencies	Supportive Practices
AL.1 1.C **Engage in cooperative, purposeful, and interactive play experiences that enhance learning.**	**The learner will:** • Engage in simple games with rules demonstrating the ability to plan ahead and to develop strategies. • Engage in teacher- and student-driven activities. • Cooperate with peers during activities/experiences. • Dramatize a variety of roles reflecting real-life situations. • Create and use props during role-play activities.	**The adult will:** Create an environment that fosters cooperative learning. Model cooperation skills. Provide a variety of materials to support student learning through play. • Provide sufficient amount of time for playing games, cooperative activities, and role-play experiences. • Rotate materials often to support students learning through play.

AL.2 Organizing and Understanding Information

BIG IDEA: Strategies for filtering and organizing information are important to the learning process.
ESSENTIAL QUESTIONS: How do I decide what information/task to attend to? What strategies do I use to organize information?

A. ENGAGEMENT AND ATTENTION

Standard	Concepts and Competencies	Supportive Practices
AL.2 1.A **Complete a task, despite interruptions or classroom disruptions.**	**The learner will:** • Complete activities or tasks from beginning to end with independence. • Follow multi-step directions. • Move away from distractions to complete a task. • Self-monitor to remain focused on completing a task.	**The adult will:** Save students' work for later completion if transition to a new activity is necessary. Encourage students to complete tasks that are challenging. Allow ample time to complete tasks and activities. • Give clear and simple directions or explanations. • Minimize interruptions and disruptions for students who are concentrating on a specific task or activity. • Offer constructive feedback on process and product to all students, helping those who are demonstrating difficulty completing a task or activity. • Differentiate based on student needs. • Model self-monitoring behaviors.

B. TASK ANALYSIS

Standard	Concepts and Competencies	Supportive Practices
AL.2 1.B **Complete multi-step tasks with independence.**	**The learner will:** • Attend and follow through with three-step directions. • Explain the steps necessary to complete a task. • Share the desired outcome or end goal of a task or activity. • Break task into smaller components and complete one at a time.	**The adult will:** Ask students to describe the steps required to complete a certain task. Model goal-setting and breaking tasks into steps using explicit vocabulary. (e.g., first, next, last) Encourage students to explain the sequence, steps, and desired outcomes of self-initiated tasks and activities. • Use clear and concise directions for the completion of tasks. (e.g., written and/or oral) • Review steps of a task prior to completion, providing reminders throughout the process. • Differentiate based on student needs.

C. PERSISTENCE

Standard	Concepts and Competencies	Supportive Practices
AL.2 1.C **Accomplish challenging tasks by employing familiar and new strategies as needed.**	**The learner will:** • Attempt to complete a task in more than one way (e.g., using materials in new ways, trial and error, breaking tasks into steps) before asking for help or stopping due to frustration. • Implement familiar and new strategies independently. • Stick to a task after experiencing frustration. • Show pride in completion of a challenging task.	**The adult will:** • Model and discuss a variety of strategies that can be used to follow through on a challenging task. (e.g., using materials in new ways, trial and error, breaking tasks into steps, asking for help from a competent peer or adult) • Encourage students to develop alternative solutions to accomplish a task. • Ask open-ended questions to help develop alternative solutions without giving the answer. • Offer constructive feedback on students' efforts to work through challenging tasks. • Acknowledge students' completion of a challenging task.

D. PATTERNING

Standard	Concepts and Competencies	Supportive Practices
AL.2 1.D **Recognize and create increasingly complex patterns.**	**The learner will:** • Identify patterns in the environment. • Identify patterns in literacy. (e.g., silent "e") • Recognize, describe, extend, and transfer a three-element pattern. (e.g., ABC) • Reproduce a more complex pattern and verbalize the pattern.	**The adult will:** • Engage students in finding patterns. (e.g., in the environment, literacy, mathematical, scientific, arts) • Model creating patterns. • Provide opportunities to create and extend patterns. • Discuss patterns. (e.g., "Why do you think that is a pattern?" "What is missing from this pattern?")

E. MEMORY

Standard	Concepts and Competencies	Supportive Practices
AL.2 1.E **Employ familiar strategies to recall information for a purpose.**	**The learner will:** • Recall information and/or experiences from the past. • Engage in use of mnemonic devices. (e.g., singing a song to remember layers of the rainforest) • Recall details from stories, events, and experiences. • Share family experiences. (e.g., stories, pictures, photos, and/or videos)	**The adult will:** • Encourage students to talk about past experiences and events. • Ask questions which challenge students to recall the details of experiences they are relating. • Maintain documentation of past events through pictures, photos, videos, and/or quotes from students. Post and explore this documentation with the students over time. • Use visuals to support memory. • Introduce mnemonic devices as a strategy to promote recall. • Provide opportunities to write about past events. (e.g., pictures, photos, videos, memory books, quotes)

AL.3 Applying Knowledge

BIG IDEA: Prior knowledge and experiences can be used to express and create new understandings.
ESSENTIAL QUESTIONS: How do I use what I already know to understand new things? How do I represent new understandings?

A. CREATIVITY

Standard	Concepts and Competencies	Supportive Practices
AL.3 1.A **Use and connect materials/ strategies in uncommon ways to create something new or to solve problems.**	**The learner will:** • Use a variety of materials to explore and express ideas and emotions. • Recognize imagination and creativity in others. • Use previously learned strategies in a new situation. • Elaborate, refine, and evaluate own ideas. • Communicate own ideas. • Be open and responsive to new and diverse perspectives. ***See also 9.1.M 1.E; 9.1.D 1.E; 9.1.V 1.E; 1.4 1.M; 1.5 1.E***	**The adult will:** Provide a variety of materials to use in creating. Provide opportunities to use materials in uncommon ways. Use "I wonder" statements to encourage creativity with use of objects. Model how to elaborate, refine, evaluate, and communicate ideas, thoughts, and feelings. ***See also 9.1.M 1.E; 9.1.D 1.E; 9.1.V 1.E; 1.4 1.M; 1.5 1.E***

B. INVENTION

Standard	Concepts and Competencies	Supportive Practices
AL.3 1.B **Create an object to serve a functional purpose.**	**The learner will:** • Explore different ways to use everyday objects. • Describe a plan to create a functional object. (e.g., develop a blueprint prior to building a block structure) • Answer questions to explain the purpose of a creation. • Show pride in a creation.	**The adult will:** Provide opportunities to explore and experiment with new objects. Encourage students to pre-plan their creative efforts. Provide opportunities to present and describe creations. Model a variety of ways to research new information. Provide a variety of text to support students' new ideas. • Ask questions about students' creations. (e.g., "How did you make that?" "What is that used for?") • Offer specific feedback on students' creative efforts.

C. REPRESENTATION

Standard	Concepts and Competencies	Supportive Practices
AL.3 1.C **Use materials and objects to represent new concepts.**	**The learner will:** • Create something new to demonstrate understanding of a learned concept. • Choose a preferred method of representation from a menu of choices. • Use music, art, stories, and/or open-ended materials to represent concepts, ideas, thoughts, and feelings.	**The adult will:** Provide open-ended materials. Provide opportunities to present and describe creations. • Provide opportunities to represent through music, art, or stories. • Differentiate based on student needs. • Encourage students to try multiple methods of representation. • Model and provide examples of representation in a variety of forms. • Provide constructive feedback.

AL.4 Learning through Experience

BIG IDEA: Experiences provide the context in which learning is constructed.
ESSENTIAL QUESTIONS: In what ways does an experience in one setting influence my learning and experiences in another setting? How do I learn from my mistakes and/or from challenging situations?

A. MAKING CONNECTIONS

Standard	Concepts and Competencies	Supportive Practices
AL.4 1.A **Relate knowledge learned from one experience to another.**	**The learner will:** • Relate personal (e.g., home, cultural, community) experiences during school activities. • Understand that appropriate activities and events may differ from one environment to another. • Share new skills or tasks learned or practiced. • Practice skills learned in whole group demonstration during small group or independent practice. • Apply a skill to multiple tasks. (e.g., determining key details in text to solve a word problem)	**The adult will:** • Foster family partnerships to support student learning both at home and at school. • Provide families updates about activities that are occurring in school. (e.g., daily message boards, newsletters, classroom websites, journals) • Talk with students about their interests and activities and connect those activities to student learning. • Acknowledge and value differences in class and home structure. • Provide materials that encourage practice of skills demonstrated during whole group meeting time. • Observe students and provide feedback as they practice applying and connecting skills. • Model and provide examples of making connections. • Differentiate based on student needs.

B. RESILIENCY

Standard	Concepts and Competencies	Supportive Practices
AL.4 1.B **Recognize that everyone makes mistakes and that using positive coping skills can result in learning from the experience.**	***Reference 16.1 1.C***	***Reference 16.1 1.C***

C. PROBLEM-SOLVING

Standard	Concepts and Competencies	Supportive Practices
AL.4 1.C **Use problem-solving strategies to achieve a positive outcome.**	**The learner will:** • Try new ways to complete an unfamiliar task. • Attempt to complete a task in more than one way (e.g., using materials in new ways, trial and error, breaking tasks into steps) before asking for help or stopping due to frustration. • Ask questions to clarify problems. • Discuss the different ways used to accomplish a task or to solve a problem. • Recall and use a previously successful strategy. • Change plan if a better strategy presents itself.	**The adult will:** - Explicitly discuss and present/model a variety of strategies that can be used to solve problems. (e.g., using materials in new ways, trial and error, breaking tasks into steps, asking for help from a competent peer or adult) - Create and provide opportunities for students to engage in problem-solving activities. (e.g., role-play) - Encourage use of a variety of materials to solve problems or complete a task. (e.g., "I wonder if we could use this box to catch the worm?") - Engage students in interactions that use known strategies in new situations. - Display a variety of materials and ask students to complete a task, allowing them to choose the materials that best suit the activity. - Ask open-ended questions that require thought and creative thinking (e.g., "What is another way you could solve this problem?") to facilitate problem-solving. - Observe how students solve problems in the classroom and offer assistance when needed.

Approaches to Learning through Play Glossary

Associative Play—A form of play in which a group of children participate in similar and/or identical activities without formal organization, group direction, group interaction, or a definite goal; children may imitate others in a group but each child acts independently.

Attention—An ability to focus; take all stimuli in environment and focus on one thing.

Competence—The ability to perform a task, action, or function successfully.

Cooperative Play—Any organized recreation among a group of children in which activities are planned for the purpose of achieving some goal.

Culture—The way of life of a particular social, ethnic, or age group of people which includes beliefs, arts, customs, and behaviors.

Curiosity—A desire to learn or know about something; inquisitiveness.

Engagement—Ability to express oneself physically, cognitively, and emotionally during an activity; to feel a connection or a strong bond to work.

Extrinsic Motivation—Motivation that comes from factors outside an individual.

Gradual Release of Responsibility (GRRM)—The responsibility for task completion shifts gradually over time from the teacher to the student.

Initiative—A readiness and ability to be eager to lead an action.

Intrinsic Motivation—Motivation that comes from inside an individual rather than from any external or outside rewards.

Invention—An act of devising, creating, or producing using imagination (art, music).

Memory—The mental capacity or faculty of retaining and retrieving facts, events, impressions, etc., or of recalling or recognizing previous experiences.

Mnemonic Device—a mind memory and/or learning aid. Commonly, mnemonics are verbal—such as a very short poem or a special word.

Parallel Play—A form of social play where children play with toys like those the children around them are using, but the child is absorbed in his/her own activity; usually play beside rather than with one another.

Pattern—The regular and repeated way in which something happens or is done.

Persistence—The steady continuance of an action in spite of obstacles or difficulties.

Play—A self-selected activity that may or may not have a specific purpose.

Pretend Play—Using an object to represent something else while giving it action and motion; actively experimenting with the social and emotional roles of life; can build skills in many developmental areas.

Provocation Strategies—strategies which promote thoughtful practices that enhance the teaching and learning of young children within and across diverse communities.

Resilience—The ability to cope with and bounce back from all types of challenges. A person thrives, matures, and increases competence by drawing on biological, psychological, and environmental resources.

Solitary Play—A form of play among a group of children within the same room or area in which each child engages in an independent activity using toys that are different from the toys of others; shows no interest in joining in or interfering with the play of others

Task Analysis—A process of breaking down complex behaviors into smaller, discrete, specific sub-behaviors to be performed in a certain order for maximum success.

Temperament—The combination of mental, physical, and emotional traits of a person; natural predisposition.

Language and Literacy Development

English Language Arts

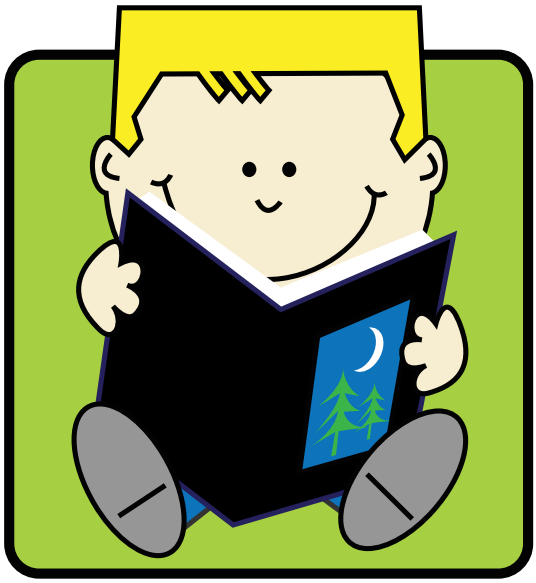
1.1 Foundational Skills

1.2 Reading Informational Text

1.3 Reading Literature

1.4 Writing

1.5 Speaking and Listening



Communication occurs in different ways. It is a way to share one's ideas and understand the ideas of others. Reading involves the use of pictures, symbols, and text to gain information and derive meaning, and writing is used for a variety of purposes. Children should be exposed to a variety of books to acquire new information and for personal fulfillment. Children apply a wide range of strategies to comprehend, interpret, evaluate, and appreciate text. Children draw meaning from their prior knowledge and experience, their interactions with others, their knowledge of word meaning, and their word identification strategies. Children vary their use of the spoken and written language to communicate effectively with others. One of the first building blocks of reading is phonemic awareness; this is one of the best predictors of early reading achievement. Children should be developing this awareness in the early years by listening to rhyming stories and songs and engaging in word play activities.

Diversity and Culture

Today's early childhood programs include increasingly diverse groups of children, families, and teachers who represent many cultures, values, and lifestyles. Providers have a unique opportunity to create welcoming environments that emphasize respect for diversity and support families' cultural and linguistic differences. Teachers must help assure the preservation of home language while supporting the acquisition of Standard English. Programs should create experiences and opportunities that honor all children's cultures and values by developing creative strategies for including and expanding home-to-school connections and by providing students with varied ways to demonstrate their learning. Such experiences and opportunities assure all students' success in school.

1.1 Foundational Skills

BIG IDEA: Emerging reading involves the use of pictures, symbols, and text to gain information and derive meaning.
ESSENTIAL QUESTION: How do I acquire and practice pre-reading skills?

B. PRINT CONCEPTS

Standard	Concepts and Competencies	Supportive Practices
1.1 1.B **Demonstrate understanding of the organization and basic features of print.**	**The learner will:** • Recognize and distinguish features of a sentence. (e.g., capitalization, spaces, punctuation, complete thought)	**The adult will:** • Model print concepts while using different forms of text and genre. (e.g., big books, names, poems) • Read to students daily. • Provide hands-on experience (e.g., small groups, independent, learning stations) with text. • Provide opportunities to distinguish between a phrase and a sentence. • Use print and digital-text materials for functional purposes.

C. PHONOLOGICAL AWARENESS

Standard	Concepts and Competencies	Supportive Practices
1.1 1.C **Demonstrate understanding of spoken words, syllables, and sounds (phonemes).**	**The learner will:** • Distinguish long from short vowel sounds in spoken single-syllable words. • Count, pronounce, blend, and segment syllables in spoken and written words. • Orally produce single syllable words, including consonant blends and digraphs. • Isolate and pronounce initial, medial vowel, and final sounds (phonemes) in spoken single-syllable words. • Add or substitute individual sounds (phonemes) in one-syllable words to make new words.	**The adult will:** • Provide oral practice with: ▫ Distinguishing long and short vowel sounds. ▫ Counting, pronouncing, blending, and segmenting syllables in spoken and written words. ▫ Producing one-syllable words with consonant blends and digraphs. ▫ Isolating and pronouncing initial, medial vowel, and final sounds (phonemes) in spoken one-syllable words. ▫ Adding or substituting individual sounds (phonemes) in one-syllable words to make new words. • Provide hands-on experiences. (e.g., small groups, independent, learning stations)

D. PHONICS AND WORD RECOGNITION

Standard	Concepts and Competencies	Supportive Practices
1.1 1.D **Know and apply grade-level phonics and word analysis skills in decoding words.**	**The learner will:** • Identify common consonant digraphs, final-e, and common vowel teams. • Decode one- and two-syllable words with common patterns. • Read grade-level words with inflectional endings. (An inflectional ending changes the meaning of the base word and creates a new word with a different meaning.) • Read grade-appropriate, irregularly spelled words. (e.g., was, Wednesday, again, Earth)	**The adult will:** • Provide hands-on experience. (e.g., small groups, independent, learning stations) • Provide experiences for: ▫ Identifying consonants, digraphs, final-e, and common vowel teams. ▫ Decoding one- and two-syllable words. ▫ Reading grade-level words with inflectional endings. ▫ Reading grade-appropriate, irregularly spelled words. • Use print and digital-text materials for functional purposes.

E. FLUENCY

Standard	Concepts and Competencies	Supportive Practices
1.1 1.E **Read with accuracy and fluency to support comprehension.**	**The learner will:** • Read on-level texts with purpose and understanding. • Read on-level texts orally with accuracy, appropriate rate, and expression in successive readings. • Use context to confirm or self-correct word recognition and understanding, rereading as necessary.	**The adult will:** • Include self-selected reading opportunities. • Provide a variety of on-level texts. • Provide daily opportunities to practice reading on-level texts and high-frequency words. • Post high-frequency words in the classroom. (e.g., word wall) • Incorporate high-frequency words into meaningful context.

1.2 Reading Informational Text

BIG IDEAS: Effective readers use appropriate strategies to construct meaning. Critical thinkers actively and skillfully interpret, analyze, evaluate, and synthesize information. An expanded vocabulary enhances one's ability to express ideas and information.
ESSENTIAL QUESTIONS: What is the text really about? How does interaction with the text promote thinking and response? Why learn new words? What strategies and resources does the learner use to figure out unknown vocabulary?

A. KEY IDEAS AND DETAILS – MAIN IDEA

Standard	Concepts and Competencies	Supportive Practices
1.2 1.A **Identify the main idea and retell key details of a text.**	**The learner will:** • Identify the main idea. • Know the details of a text can be used to support a topic or main idea. • Provide relevant details from a text which support the main idea.	**The adult will:** Provide and read a variety of appropriate informational texts. • Model identifying main idea and supporting details. • Provide multiple opportunities to identify main idea and supporting details. • Model retelling of key details.

B. KEY IDEAS AND DETAILS – TEXT ANALYSIS

Standard	Concepts and Competencies	Supportive Practices
1.2 1.B **Ask and answer questions about key details in a text.**	**The learner will:** • Use specific details from the text to answer questions. • Answer "who" or "what" the text is about. • Answer "how" and/or "why" questions using specifics from the text. • Generate questions about specific details in the text.	**The adult will:** • Ask directed questions about a text. • Encourage students to generate questions about specific details in the text. • Provide peer-to-peer opportunities to discuss informational texts. • Model proper questioning techniques. • Ask "who," "what," "how," and "why" questions.

C. KEY IDEAS AND DETAILS

Standard	Concepts and Competencies	Supportive Practices
1.2 1.C **Describe the connection between two individuals, events, ideas, or pieces of information in a text.**	**The learner will:** • Find similarities and differences between two individuals, events, ideas, or pieces of information in a text. • Answer cause-and-effect questions about events, ideas, and information in a text.	**The adult will:** • Model making connections. • Provide learning centers and a classroom library where students can interact independently with texts. • Ask prompting questions.

E. CRAFT AND STRUCTURE – TEXT STRUCTURE

Standard	Concepts and Competencies	Supportive Practices
1.2 1.E **Use various text features and search tools to locate key facts or information in a text.**	**The learner will:** • Use table of contents to locate information. • Use index or digital-text search feature to locate key facts or information. • Use headings and captions to locate key facts or information.	**The adult will:** Model the use of text features to identify key facts. Provide multiple opportunities to interact with informational texts. • Identify and define text features. • Use print and digital text materials for functional purposes.

F. CRAFT AND STRUCTURE – VOCABULARY

Standard	Concepts and Competencies	Supportive Practices
1.2 1.F **Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.**	**The learner will:** • Connect prior knowledge to unfamiliar words. • Make predictions about word meanings. • Participate in discussions about unfamiliar words. • Use strategies to look up unfamiliar words.	**The adult will:** Provide experiences to engage with picture/text connections. (e.g., cooking, construction, gardening) Provide concrete materials in learning centers to assist students in connecting prior knowledge to new words or phrases. • Model how to use context and text features to define unknown words. • Model researching unfamiliar words in a text.

G. INTEGRATION OF KNOWLEDGE AND IDEAS – DIVERSE MEDIA

Standard	Concepts and Competencies	Supportive Practices
1.2 1.G **Use the illustrations and details in a text to describe its key ideas.**	**The learner will:** • Refer to specific text details. • Describe illustrations in a text in detail to answer specific questions about the text.	**The adult will:** Provide various experiences to engage with picture/text connections. (e.g., cooking, construction, gardening) • Model and provide practice using illustrations and details in text to describe key ideas. • Prompt students to refer back to text.

H. INTEGRATION OF KNOWLEDGE AND IDEAS – EVALUATING ARGUMENTS

Standard	Concepts and Competencies	Supportive Practices
1.2 1.H **Identify the reasons an author gives to support points in a text.**	**The learner will:** • Identify the evidence an author uses. • Refer to specific text details.	**The adult will:** • Model and provide practice identifying text supports. • Prompt students to refer back to text.

I. INTEGRATION OF KNOWLEDGE AND IDEAS – ANALYSIS ACROSS TEXTS

Standard	Concepts and Competencies	Supportive Practices
1.2 1.I **Identify basic similarities in and differences between two texts on the same topic.**	**The learner will:** • Recognize that texts have similar components that can be compared and contrasted. (e.g., main ideas, details) • Participate in strategies that provide opportunities to compare and contrast texts and/or components of texts. (e.g., Venn diagrams, T-charts)	**The adult will:** • Use structural supports (e.g., graphic organizers) to compare and contrast texts. • Model and provide practice identifying similarities and differences in text.

J. VOCABULARY ACQUISITION AND USE

Standard	Concepts and Competencies	Supportive Practices
1.2 1.J **Use words and phrases acquired through conversations, reading, and being read to, and respond to texts, including words that signal connections and relationships between the words and phrases.**	**The learner will:** • Talk about pictures and text using new vocabulary words or phrases. • Use new vocabulary in the context of dramatic play, daily routines, and classroom conversations. • Use new vocabulary when asking questions or describing situations or objects. • Use new vocabulary from a variety of content areas. • Use context clues to understand word and sentence meanings. • Classify conceptual categories of words. (e.g., animals, colors, foods)	**The adult will:** Use Tier III vocabulary daily and throughout different contexts. Provide opportunities for oral language practice. Assist students in connecting new vocabulary to prior knowledge. • Read appropriate informational text. • Use vocabulary daily and throughout different contexts. • Use think-alouds to share how a fluent reader navigates through informational text. • Explore similarities and differences in words, meanings, and concepts. • Interactively use a vocabulary word wall to teach, reinforce, and encourage the use of new words. • Directly teach increasingly sophisticated words with examples and non-examples.

K. VOCABULARY ACQUISITION AND USE

Standard	Concepts and Competencies	Supportive Practices
1.2 1.K **Determine or clarify the meaning of unknown or multiple-meaning words and phrases based upon grade-level reading and content.**	**The learner will:** • Recognize words or phrases that are unfamiliar to them. • Connect prior knowledge to unfamiliar words. • Make predictions about word meanings. • Use strategies to look up unfamiliar words. • Talk about connections between familiar and unfamiliar words or phrases that mean similar things. (e.g., grass, lawn) • Participate in discussions about unfamiliar words.	**The adult will:** Model researching unfamiliar words in a text. Provide experiences to engage with picture/text connections. (e.g., cooking, construction, gardening) • Model how to use context and text features to define unknown words.

L. RANGE OF READING

Standard	Concepts and Competencies	Supportive Practices
1.2 1.L **Read and comprehend literary nonfiction (historical fiction) and informational text on grade level, reading independently and proficiently.**	**The learner will:** • Ask and answer questions about text being read aloud. • Share relevant prior knowledge about text being read aloud. • Respond to and build on comments from other children. • Use ideas gained in group reading activities in other daily routines, learning centers, and activities.	**The adult will:** • Select appropriate informational text. • Provide a variety of opportunities to demonstrate comprehension through different modalities. (e.g., multiple choice, oral retell, drawing pictures)

1.3 Reading Literature

BIG IDEAS: Effective readers use appropriate strategies to construct meaning. Critical thinkers actively and skillfully interpret, analyze, evaluate, and synthesize information. An expanded vocabulary enhances one's ability to express ideas and information.
ESSENTIAL QUESTIONS: What is the text really about? How does interaction with the text promote thinking and response? Why learn new words? What strategies and resources does the learner use to figure out unknown vocabulary?

A. KEY IDEAS AND DETAILS – THEME

Standard	Concepts and Competencies	Supportive Practices
1.3 1.A **Retell stories, including key details, and demonstrate understanding of their central message or lesson.**	**The learner will:** • Retell story in sequential order. • Recall key details of a story. • Use a variety of strategies to retell a story. (e.g., picture cards, dramatic play, illustration) • Identify the central message or lesson.	**The adult will:** • Select appropriate literary text. • Model retelling with key details. • Provide multiple opportunities to practice retelling. • Provide students digital media opportunities to reinforce sequencing skills. • Ask questions that support the use of sequencing. (e.g., "What was the first thing that happened?" "What happened after?")

B. KEY IDEAS AND DETAILS – TEXT ANALYSIS

Standard	Concepts and Competencies	Supportive Practices
1.3 1.B **Ask and answer questions about key details in a text.**	**The learner will:** • Use specific details from story to answer questions. • Answer "who" or "what" the story is about. • Answer "how" and/or "why" questions using specifics from the story. • Generate questions about specific details in the story.	**The adult will:** • Select appropriate literary text. • Ask probing questions about text. • Use reader-response journals.

C. KEY IDEAS AND DETAILS – LITERARY ELEMENTS

Standard	Concepts and Competencies	Supportive Practices
1.3 1.C **Describe characters, settings, and major events in a story, using key details.**	**The learner will:** • Identify narrative elements. (e.g., characters, setting, major events) • Use descriptive vocabulary when responding to questions and prompts.	**The adult will:** • Select appropriate literary text. • Provide opportunities to identify narrative elements of a text. • Use reader-response journals.

D. CRAFT AND STRUCTURE – POINT OF VIEW

Standard	Concepts and Competencies	Supportive Practices
1.3 1.D **Identify who is telling the story at various points in a text.**	**The learner will:** • Demonstrate understanding that a narrator tells the story. • Understand that who is telling the story can change. • Identify when the narrator changes.	**The adult will:** • Select appropriate literary texts that offer a change in narrator. • Model identifying who is telling the story at various points in a text. • Use reader-response journals.

E. CRAFT AND STRUCTURE – TEXT STRUCTURE

Standard	Concepts and Competencies	Supportive Practices
1.3 1.E **Explain major differences between books that tell stories and books that give information, drawing on a wide reading or range of text types.**	**The learner will:** • Engage with a variety of text. (e.g., fables, folklore, fairy tales, nursery rhymes, tall tales, dramas, poetry, picture books, storybooks, nonfiction text, recipes, web pages, menus, phone books, maps) • Understand that different types of text are used for different purposes. • Choose texts on identified need or purpose. • Discuss differences stories and informational texts.	**The adult will:** • Select appropriate literary and informational text. • Provide a wide variety of texts. • Model how to determine and explain the difference between a book that tells a story and a book that gives information. • Use reader-response journals.

F. CRAFT AND STRUCTURE – VOCABULARY

Standard	Concepts and Competencies	Supportive Practices
1.3 1.F **Identify words and phrases in stories or poems that suggest feelings or appeal to the senses.**	**The learner will:** • Recognize and label basic feeling words and phrases. • Recognize and label sensory words and phrases. • Discuss personal reactions to words and phrases.	**The adult will:** • Provide a variety of text that include sensory and/or emotional words and phrases. • Model identifying sensory and emotional vocabulary in a text. • Use reader-response journals.

G. INTEGRATION OF KNOWLEDGE AND IDEAS – SOURCES OF INFORMATION

Standard	Concepts and Competencies	Supportive Practices
1.3 1.G **Use illustrations and details in a story to describe characters, settings, or events.**	**The learner will:** • Demonstrate understanding that the "setting" is where the story takes place. • Demonstrate understanding that "characters" are people or animals who have a role in the story. • Connect illustrations to the text. • Describe the relationship between the illustrations and the text.	**The adult will:** • Provide a variety of text with vivid details and illustrations. • Use reader-response journals.

H. INTEGRATION OF KNOWLEDGE AND IDEAS – TEXT ANALYSIS

Standard	Concepts and Competencies	Supportive Practices
1.3 1.H **Compare and contrast the adventures and experiences of characters in stories.**	**The learner will:** • Understand that characters within the same story or characters from different stories can be compared and contrasted. • Participate in strategies that provide opportunities to compare and contrast the experiences of characters. (e.g., Venn diagrams, T-charts, dramatic role-play)	**The adult will:** • Select appropriate literary texts. • Model finding similarities and differences between stories. • Use reader-response journals.

I. VOCABULARY ACQUISITION AND USE – STRATEGIES

Standard	Concepts and Competencies	Supportive Practices
1.3 1.I **Determine or clarify the meaning of unknown or multiple-meaning words and phrases based upon grade-level reading and content.**	**The learner will:** • Recognize words or phrases that are unfamiliar to them. • Connect prior knowledge to unfamiliar words. • Make predictions about word meanings. • Use strategies to look up unfamiliar words. • Talk about connections between familiar and unfamiliar words or phrases that mean similar things. (e.g., grass, lawn) • Participate in discussions about unfamiliar words.	**The adult will:** • Provide a variety of text that include sensory and/or emotional words and phrases. • Model identifying sensory and emotional vocabulary in a text. • Use reader-response journals.

J. VOCABULARY ACQUISITION AND USE

Standard	Concepts and Competencies	Supportive Practices
1.3 1.J **Use words and phrases acquired through conversations, reading, and being read to, and respond to texts, including words that signal connections and relationships between the words and phrases.**	**The learner will:** • Talk about pictures and text using new vocabulary words or phrases. • Use new vocabulary in the context of dramatic play, daily routines, and classroom conversations. • Use new vocabulary when asking questions or describing situations or objects. • Use new vocabulary from a variety of content areas. • Use context clues to understand word and sentence meanings. • Classify conceptual categories of words. (e.g., animals, colors, foods)	**The adult will:** - Use vocabulary daily and throughout different contexts. - Assist students in connecting new vocabulary to prior knowledge. - Directly teach increasingly sophisticated words with examples and non-examples. • Read appropriate literary text. • Provide opportunities for oral language practice. • Use think-alouds to share how a fluent reader navigates through literary text. • Explore similarities and differences in words, meanings, and concepts. • Interactively use a vocabulary word wall to teach, reinforce, and encourage the use of new words. • Use reader-response journals.

K. RANGE OF READING

Standard	Concepts and Competencies	Supportive Practices
1.3 1.K **Read and comprehend literature on grade level, reading independently and proficiently.**	**The learner will:** • Ask and answer questions about text being read aloud. • Share relevant prior knowledge about text being read aloud. • Respond to and build on comments from other students. • Use ideas gained in group reading activities in other daily routines, learning centers, and activities.	**The adult will:** • Provide multiple opportunities to read on grade-level text. • Use reader-response journals.

1.4 Writing

BIG IDEAS: Audience and purpose influence a writer's choice of organizational pattern, language, and literary techniques. Effective research requires the use of varied resources to gain or expand knowledge.
ESSENTIAL QUESTIONS: What makes clear and effective writing? Why do writers write? Who is the audience? What will work best for the audience? Where can one find information to answer questions?

A. INFORMATIVE/EXPLANATORY

Standard	Concepts and Competencies	Supportive Practices
1.4 1.A **Write informative/ explanatory texts to examine a topic and convey ideas and information.**	**The learner will:** • Create a picture about a particular nonfiction topic and write about it. • Use common spelling patterns, phonemic awareness, and spelling conventions when writing.	**The adult will:** • Model writing using a combination of drawing and writing. • Provide frequent opportunities to dictate and/or write. • Provide opportunities to engage in shared, interactive, and independent writing. • Use journals where students can write about specific topics of interest. • Encourage students to draw and talk about topics of interest.

B. INFORMATIVE/EXPLANATORY – FOCUS

Standard	Concepts and Competencies	Supportive Practices
1.4 1.B **Identify and write about one specific topic.**	**The learner will:** • Respond to writing prompts on a specific topic. • Choose a specific topic to write about.	**The adult will:** • Provide opportunities for whole group or small group discussion on a topic before writing. • Provide opportunities to engage in shared, interactive, and independent writing. • Model writing on a single topic. • Provide a topic for writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

C. INFORMATIVE/EXPLANATORY – CONTENT

Standard	Concepts and Competencies	Supportive Practices
1.4 1.C **Develop the topic with two or more facts.**	**The learner will:** • Brainstorm main ideas on a chosen topic. (e.g., topic—bats, ideas—helpful, mammal, scary) • Choose a main idea to focus writing on topic. • Generate relevant details that support the chosen topic. • Include two or more facts when writing.	**The adult will:** • Provide opportunities to engage in shared, interactive, and independent writing. • Model developing a topic with two or more facts. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

D. INFORMATIVE/EXPLANATORY – ORGANIZATION

Standard	Concepts and Competencies	Supportive Practices
1.4 1.D **Group information and provide some sense of closure.**	**The learner will:** • Use graphic organizers to logically organize and group information. • Logically organize and group information when writing. • Include an ending sentence.	**The adult will:** • Provide opportunities to engage in shared, interactive, and independent writing. • Model organizational structure and ending sentences. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

E. INFORMATIVE/EXPLANATORY – STYLE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.E **Choose words and phrases for effect.**	**The learner will:** • Use vivid and precise language.	**The adult will:** • Provide opportunities to engage in shared, interactive, and independent writing. • Model using vivid and precise language. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

F. INFORMATIVE/EXPLANATORY – CONVENTIONS OF LANGUAGE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.F **Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling.**	**The learner will:** • Capitalize dates and names of people. • Use end punctuation; use commas in dates and words in series. • Spell words drawing on common spelling patterns, phonemic awareness, and spelling conventions.	**The adult will:** • Model using grade-appropriate conventions. • Model using grade-appropriate proofreading skills. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

G. OPINION/ARGUMENTATIVE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.G **Write opinion pieces on familiar topics.**	**The learner will:** • Participate in discussions about fact and opinion. • Generate an opinion and write about it. • Use common spelling patterns, phonemic awareness, and spelling conventions when writing.	**The adult will:** • Model writing an opinion piece. • Facilitate discussions about fact and opinion. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program) • Provide opportunities to engage in shared, interactive, and independent writing.

H. OPINION/ARGUMENTATIVE – FOCUS

Standard	Concepts and Competencies	Supportive Practices
1.4 1.H **Form an opinion by choosing among given topics.**	**The learner will:** • Choose topic. • State an opinion.	**The adult will:** • Provide a variety of topics for writing. • Provide examples of differences between fact and opinion. • Model how to choose a topic and form an opinion. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program) • Provide opportunities to engage in shared, interactive, and independent writing.

I. OPINION/ARGUMENTATIVE – CONTENT

Standard	Concepts and Competencies	Supportive Practices
1.4 1.I **Support the opinion with reasons related to the opinion.**	**The learner will:** • Participate in discussions supporting opinions. • Generate relevant reasons that support the opinion.	**The adult will:** • Model how to support an opinion. • Provide frequent opportunities for writing and dictating stories. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

J. OPINION/ARGUMENTATIVE – ORIENTATION

Standard	Concepts and Competencies	Supportive Practices
1.4 1.J **Create an organizational structure that includes reasons and provides some sense of closure.**	**The learner will:** • Use graphic organizers to logically organize and group information. • Logically organize and group reasons when writing. • Include an ending sentence.	**The adult will:** • Model structure that includes reasons. • Model closing sentences. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program) • Provide opportunities to engage in shared, interactive, and independent writing.

K. OPINION/ARGUMENTATIVE – STYLE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.K **Use a variety of words and phrases.**	**The learner will:** • Use vivid and precise language.	**The adult will:** • Model using a variety of words and phrases in writing. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

L. OPINION/ARGUMENTATIVE – CONVENTIONS OF LANGUAGE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.L **Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling.**	**The learner will:** • Capitalize dates and names of people. • Use end punctuation; use commas in dates and words in series. • Spell words drawing on common spelling patterns, phonemic awareness, and spelling conventions.	**The adult will:** • Model using grade-appropriate conventions. • Model using grade-appropriate proofreading skills. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

M. NARRATIVE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.M **Write narratives to develop real or imagined experiences or events.**	**The learner will:** • Write about a real or imagined experience or event. • Use common spelling patterns, phonemic awareness, and spelling conventions when writing.	**The adult will:** • Model using grade-appropriate conventions. • Model using grade-appropriate proofreading skills. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

N. NARRATIVE – FOCUS

Standard	Concepts and Competencies	Supportive Practices
1.4 1.N **Establish who and what the narrative will be about.**	**The learner will:** • Generate ideas for writing. • Understand that "who" a story will be about refers to the person, animal, or animated object that the story will be about. • Understand that "what" a story will be about refers to the sequenced events that happen to the references "who." • Respond when asked "who" or "what" a story is about, and follow through when drawing about or dictating the story.	**The adult will:** • Facilitate discussions about characters and events. • Provide frequent opportunities for writing and dictating stories. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

O. NARRATIVE – CONTENT

Standard	Concepts and Competencies	Supportive Practices
1.4 1.O **Include thoughts and feelings to describe experiences and events.**	**The learner will:** • Participate in discussions describing experiences and events. • Include thoughts and feelings related to experiences and events.	**The adult will:** • Talk about an event or experience including thoughts and feelings. • Facilitate discussions about familiar and unfamiliar events. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

P. NARRATIVE – ORGANIZATION

Standard	Concepts and Competencies	Supportive Practices
1.4 1.P **Recount two or more appropriately sequenced events using temporal words to signal event order and provide some sense of closure.**	**The learner will:** • Understand stories can be told about a single event or several loosely linked events. • Understand that a single event is made up of a series of smaller events that are in a sequence. (e.g., first, next, last, before) • Sequence two or more events using temporal words. • End with a closing sentence.	**The adult will:** • Model using two or more sequential events through writing. • Model using temporal words to signal order of events. • Provide opportunities to practice sequencing. (e.g., graphic organizers, illustrations) • Engage students using digital media to reinforce sequencing skills. • Ask questions relating to sequencing. (e.g., first, before, next, last) • Model writing a closing sentence. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program) • Provide opportunities to engage in shared, interactive, and independent writing.

Q. NARRATIVE – STYLE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.Q **Use a variety of words and phrases.**	**The learner will:** • Use vivid and precise language.	**The adult will:** • Model using a variety of words and phrases in writing. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program) • Use a variety of text to understand how authors use different words and phrases.

R. NARRATIVE – CONVENTIONS OF LANGUAGE

Standard	Concepts and Competencies	Supportive Practices
1.4 1.R **Demonstrate a grade-appropriate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling.**	**The learner will:** • Capitalize dates and names of people. • Use end punctuation; use commas in dates and words in series. • Spell words drawing on common spelling patterns, phonemic awareness, and spelling conventions.	**The adult will:** • Model using grade-appropriate conventions. • Model using grade-appropriate proofreading skills. • Provide opportunities to engage in shared, interactive, and independent writing. • Conference with students and provide feedback. (e.g., using district writing rubrics, reading program)

T. PRODUCTION AND DISTRIBUTION OF WRITING – WRITING PROCESS

Standard	Concepts and Competencies	Supportive Practices
1.4 1.T **With guidance and support from adults and peers, focus on a topic, respond to questions and suggestions from peers, and add details to strengthen writing as needed.**	**The learner, with guidance and support, will:** • Understand that drawings and dictation convey meaning to an audience. • Understand writing may have to be changed to make meaning more clear. • Share work with others. • Participate in discussions about their work. • When prompted make changes to work based on feedback. • Respond to questions and suggestions from peers. • Add details to strengthen writing as needed.	**The adult will:** • Model asking and answering questions about a peer's writing (focused on details of the writing). • Assure a supportive environment where students feel confident enough to share their work. • Use explicit prompts to encourage the use of both positive and constructive feedback. (e.g., "I liked when …" "I wonder …") • Model how to provide feedback to peers. • Model how details strengthen writing. • Provide frequent opportunities for writing and dictating stories. • Provide opportunities to engage in shared, interactive, and independent writing.

U. TECHNOLOGY AND PUBLICATION

Standard	Concepts and Competencies	Supportive Practices
1.4 1.U **With guidance and support, use a variety of digital tools to produce and publish writing, including collaboration with peers.**	**The learner, with guidance and support, will:** • Use a variety of digital tools to produce and publish writing.	**The adult will:** Provide opportunities to use available technology. • Model use of available technology.

V. CONDUCTING RESEARCH

Standard	Concepts and Competencies	Supportive Practices
1.4 1.V **Participate in individual or shared research and writing projects.**	**The learner will:** • Ask adults or peers for explanations or information using why, how, where, and when. (e.g., "Why do leaves turn color?" "Why does Jamal like pizza?") • Use a variety of resources with teacher support (e.g., adults and peers, books, digital media, maps, recipes, experts) to find new information.	**The adult will:** • Encourage students to research why, how, where, and when answers to questions. • Provide materials (e.g., videos, books, magazines, technology), structure, and opportunities to create an individual or shared research project. • Model/guide procedures for how to research a project. • Model/guide how to write about research.

W. CREDIBILITY, RELIABILITY, AND VALIDITY OF SOURCES

Standard	Concepts and Competencies	Supportive Practices
1.4 1.W **With guidance and support, recall information from experiences or gather information from provided sources to answer a question.**	**The learner, with guidance and support, will:** • Respond to prompts which require reference to prior experiences. • Relate prior experiences in learning to a current topic. • Recall information from experiences. • Use a variety of resources with teacher support (e.g., adults and peers, books, digital media, maps, recipes, experts) to find new information.	**The adult will:** • Model connecting prior experiences in learning to answer a question. • Model gathering information from sources to respond to a question.

X. RANGE OF WRITING

Standard	Concepts and Competencies	Supportive Practices
1.4 1.X **Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.**	**The learner will:** • Engage in writing opportunities including journaling. • Revisit previous work. • Respond to writing prompts. • Choose to write independently during play.	**The adult will:** • Provide frequent opportunities for writing. • Provide opportunities to engage in shared, interactive, and independent writing. • Provide a variety of materials and opportunities to write daily and over time. (e.g., journals, "author's" chair, projects) • Provide opportunities and encourage students to revisit prior work. • Encourage persistence in drawing/dictation/writing.

1.5 Speaking and Listening

BIG IDEAS: Active listeners make meaning from what they hear by questioning, reflecting, responding, and evaluating. Effective speakers prepare and communicate messages to address the audience and purpose.
ESSENTIAL QUESTIONS: What do good listeners do? How do active listeners make meaning? How do speakers effectively communicate a message?

A. COMPREHENSION AND COLLABORATION – COLLABORATIVE DISCUSSION

Standard	Concepts and Competencies	Supportive Practices
1.5 1.A **Participate in collaborative conversations with peers and adults in small and larger groups.**	**The learner will:** • Communicate using detail related to topic being discussed. • Pose questions related to topic being discussed. • Allow wait time before responding. • Engage in turn-taking.	**The adult will:** Encourage asking questions to find out more information. Provide and monitor multiple opportunities for conversations throughout the day. • Explicitly restate comments made by students and encourage those responding to add further detail, or contribute further to the topic being discussed. • Encourage students to restate comments made by peers. • Model appropriate participation in discussions. (e.g., polite interactions, one person speaking at a time, asking questions) • Embed opportunities to "turn and talk" to share ideas on a topic. • Model appropriate conversation skills. (e.g., tone, volume, turn-taking, active listening, eye contact)

B. COMPREHENSION AND COLLABORATION – CRITICAL LISTENING

Standard	Concepts and Competencies	Supportive Practices
1.5 1.B **Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.**	**The learner will:** • Respond to a question with an answer or details related to the topic being discussed. • Generate "who," "what," "when," and "where" questions. • Ask "What does that mean?"	**The adult will:** Provide opportunities for asking and answering questions. Engage in conversation about topics of interest daily. • Provide multiple opportunities to listen to text read aloud or through other media. (e.g., video, YouTube, listening centers) • Ask "who," "what," "when," and "where" questions. • Ask students to identify facts from text. • Invite students to discuss how they would react to a situation if they were the character in the story.

C. COMPREHENSION AND COLLABORATION – EVALUATING INFORMATION

Standard	Concepts and Competencies	Supportive Practices
1.5 1.C **Ask and answer questions about what a speaker says to gather additional information or clarify something that is not understood.**	**The learner will:** • Ask for clarification. (e.g., "What do you mean?" "I don't understand")	**The adult will:** Model asking for help or clarifying information. Model oral discussion techniques. • Provide opportunities for oral language use. • Promote active listening and attention to key ideas and details.

D. PRESENTATION OF KNOWLEDGE AND IDEAS – PURPOSE, AUDIENCE, AND TASK

Standard	Concepts and Competencies	Supportive Practices
1.5 1.D **Describe people, places, things, and events with relevant details, expressing ideas and feelings clearly.**	**The learner will:** • Use an appropriate voice level for the situation. • Share experiences and tell stories clearly with relevant detail. • Use appropriate pacing. • Speak clearly enough to be understood.	**The adult will:** • Provide opportunities for oral language use. • Model appropriate oral presentation skills. • Encourage use of appropriate volume and pacing. • Speak to and engage students in group and individual conversations daily. • Re-phrase student's sentence structure or grammar by repeating the sentence properly.

E. PRESENTATION OF KNOWLEDGE AND IDEAS – CONTEXT

Standard	Concepts and Competencies	Supportive Practices
1.5 1.E **Produce complete sentences when appropriate to task and situation.**	**The learner will:** • Recognize and express own knowledge, thoughts, and ideas in an appropriate manner using complete sentences. • Understand and produce simple and compound sentences.	**The adult will:** • Provide opportunities for oral language use. • Model speaking in complete sentences. • Reinforce complete sentence responses to questions. • Encourage students to express own knowledge and ideas using complete sentences. • Provide opportunities to engage in shared language activities. • Create an environment in which students have the opportunity to share knowledge and events through speaking and listening to one another.

F. INTEGRATION OF KNOWLEDGE AND IDEAS – MULTIMEDIA

Standard	Concepts and Competencies	Supportive Practices
1.5 1.F **Add drawings or other visual displays when sharing aloud to clarify ideas, thoughts, and feelings.**	**The learner will:** • Enhance oral presentations with a visual display. (e.g., smart board)	**The adult will:** • Provide opportunities for oral language use. • Provide materials and time to produce a visual display. • Provide guidance (e.g., rubric) for expected displays. • Model the use of visual displays to clarify ideas.

G. CONVENTIONS OF STANDARD ENGLISH

Standard	Concepts and Competencies	Supportive Practices
1.5 1.G **Demonstrate command of the conventions of standard English when speaking, based on Grade 1 level and content.**	**The learner will:** • Use a variety of sentence structures. • Match correct subject-verb agreement. • Use most parts of speech correctly. • Use common, proper, and possessive nouns. • Use past, present, and future tense. • Use personal, possessive, and indefinite pronouns. • Use adjectives. • Use conjunctions. • Use articles. • Use demonstratives.	**The adult will:** • Model the proper use of standard English when speaking. • Provide multiple opportunities for oral language practice and use.

Languages and Literacy Development Glossary

Alliteration—The repetition of initial consonant sounds.

Antonym—A word that is the opposite of another word.

Basic Features of Print—Letters, words, and sentences

Characterization—The method an author uses to reveal characters and their various personalities.

Choral Reading—Reading of a text where an adult or an experienced reader reads a line of text and student repeats the line.

Collaboration—The action of working with someone to produce or create something.

Collaborative Conversations—Also called reciprocal conversation; knowing and following the back and forth rules of conversation.

Compare—Place together characters, situations, or ideas to show common or differing features in literary selections.

Context Clues—Information from the reading that identifies a word or group of words.

Conventions of Language—Mechanics, usage, and sentence completeness.

Credibility—The quality of being believable or worthy of trust.

Decoding—Analyzing text to identify and understand individual reading.

Dialogic Reading—An effective strategy to enhance vocabulary, oral language skills, and comprehension.

Dictation—The act of saying words aloud to be written down.

Emergent Literacy—One stage of literacy development; reading and writing behaviors that precede and develop into convention and literacy.

Environmental Print—The print of everyday life; symbols, signs, numbers, colors, and logos found within the environment.

Expressive Language—Being able to convey messages using words.

Evaluate—Examine and judge carefully.

Explanatory—Something that makes things more clear; intended to make people understand something by describing it or giving the reasons for it.

Fine Motor—Demonstrate increased control of hand and eye coordination; using hands and fingers such as in writing, painting, drawing, modeling clay, or pinching clothespins.

Fluency—The clear, easy, written or spoken expression of ideas. Freedom from word-identification problems which might hinder comprehension in silent reading or the expression of ideas in oral reading.

Genre—A category used to classify literary works, usually by form, technique, or content (prose, poetry).

Guided Reading—Teachers work with students at their instructional level to guide them in using context, visual, and structural cues.

Homophone—One of two or more words pronounced alike, but different in spelling or meaning (hair/hare; road/rode).

Informative—Something that contains useful, helpful, or relevant information or details.

Literary/Story Elements—The essential techniques used in literature (characterization, setting, plot, theme, problem, solution).

Literary Devices—Tools used by the author to enliven and provide voice to the writing (dialogue, alliteration).

Main Idea—The most important or central thought of a paragraph or larger section of text, which tells the reader what the text is about.

Narrative—A story, actual or fictional, expressed orally or in writing.

Onset—A sound in word that comes before the vowel.

Phonemic Awareness—Ability to hear and identify parts of spoken language and auditory divide into phonemes.

Phoneme—A sound unit of speech.

Phonics—A way of teaching reading that stresses sound symbol relationships; refers to the relationship between the letters and letter sounds of language.

Phonological Awareness—A broad term that includes phonemic awareness. In addition to phonemes, phonological awareness refers to larger spoken units such as rhymes, words, syllables, and onsets and rimes.

Picture Walk—A pre-reading strategy that is an examination of the text looking at pictures to gain an understanding of the story and to illicit story related language in advance of reading the story.

Point of View—The way in which an author reveals characters, events, and ideas in telling a story; the vantage point from which the story is told.

Print Awareness—Ability to understand how print works.

Project-Based Learning—An instructional approach built upon authentic learning activities that engage student interest and motivation.

Reading Critically—Reading in which a questioning attitude, logical analysis, and interference are used to judge the worth of text; evaluating relevancy and adequacy of what is read; the judgment of validity or worth of what is read, based on sound criteria.

Reciprocal Conversations—Also called collaborative conversations; knowing and following the back and forth rules of conversation.

Receptive Language—Being able to receive and give meaning to message/words heard.

Research—A systematic inquiry into a subject or problem to discover, verify, or revise relevant facts or principles having to do with that subject or problem.

Rhyme—Correspondence of sound between words or the endings of words.

Rime—The part of a syllable that contains at least one vowel and all that follows.

Shared Reading—Teachers guide the entire class through stories with a high level of support; sharing and reading a story together (echo reading, choral reading, or fill the gap reading).

Shared Writing—Teacher and learner work together to compose a message or story.

TIER I Words—Words that rarely require direct instruction and typically do not have multiple meanings.

TIER II Words—High-frequency words that occur across a variety of domains; occur often in mature language situations such as adult conversations and literature; TIER II words also contain multiple meanings. (e.g., here/hear)

TIER III Words—Low-frequency words that occur in specific domains (including subjects in school, hobbies, occupations, geographic regions, technology, weather).

Tone—The attitude of the author toward the audience and characters (serious or humorous).

Voice—The fluency, rhythm, and liveliness in writing that make it unique to the writer.

Mathematical Thinking and Expression

Exploring, Processing, and Problem-Solving

2.1 Numbers and Operations

2.2 Algebraic Concepts

2.3 Geometry

2.4 Measurement, Data, and Probability

Mathematical learning is a key element of Science, Technology, Engineering, and Math (STEM) education. To fully understand math, children must be able to connect mathematical concepts to real-world situations and across disciplines. Math skills are developed and based on children's experiences with their environment, their interactions with adults and other children, and their daily observations. Throughout the early years of life, children notice and discover mathematical dimensions of their world. They compare quantities, find patterns, problem-solve, communicate, and confront real problems such as balancing a tall block building or angling a ramp to roll a ball down. Mathematics helps children make sense of their world and helps them construct a solid foundation for future success. By asking intentional questions, adults can help encourage STEM concepts where children are identifying objects, making comparisons, making predictions, testing ideas, and sharing discoveries, all while investigating their environment. Mathematical thinking is foundational and important to academic success in all subjects. All children are capable of developing a strong knowledge of mathematics in their earliest years. Math and science subjects are connected to other subject matters and the real world. Adults should tap into children's natural curiosity and give them ample opportunities to be active participants in their own learning.

Standards for Mathematical Practice

Habits of Mind of a Productive Mathematical Thinker

- Make sense of problems and persevere in solving them.
- Attend to precision.

Reasoning and Explaining

- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.

Modeling and Using Tools

- Model with mathematics.
- Use appropriate tools strategically.

Seeing Structure and Generalizing

- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

2.1 Numbers and Operations

BIG IDEAS: Mathematical relationships among numbers can be represented, compared, and communicated. Numeral quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools. Mathematical relationships can be represented as expressions, equations, and inequalities in mathematical situations. Patterns exhibit relationships that can be extended, described, and generalized.
ESSENTIAL QUESTIONS: How is mathematics used to quantify, compare, represent, and model numbers? How can mathematics support effective communication? How are relationships represented mathematically? How can expressions, equations, and inequalities be used to quantify, solve, model, and/or analyze mathematical situations? What does it mean to estimate or analyze numerical quantities? When is it is appropriate to estimate versus calculate? What makes a tool and/or strategy appropriate for a given task? How can patterns be used to describe relationships in mathematical situations? How can recognizing repetition or regularity assist in solving problems more efficiently?

B.1 NUMBERS AND OPERATIONS IN BASE TEN

Standard	Concepts and Competencies	Supportive Practices
2.1 1.B.1 **Extend the counting sequence to read and write numerals to represent objects.**	**The learner will:** • Count to 120, starting at any number less than 120. • Read and write numerals up to 120 and represent a number of objects with a written numeral.	**The adult will:** • Provide and incorporate opportunities (e.g., everyday occurrences and planned, purposeful instruction) to count, read, and write numerals. • Model the connection of the quantity to written symbols.

B.2 NUMBERS AND OPERATIONS IN BASE TEN

Standard	Concepts and Competencies	Supportive Practices
2.1 1.B.2 **Use place-value concepts to represent amounts of tens and ones and to compare two-digit numbers.**	**The learner will:** • Understand that the two digits of a two-digit number represent amounts of tens and ones. • Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.	**The adult will:** • Encourage students to share, discuss, and compare solution strategies after they solve problems. • Encourage students to develop the habit of checking their answer to a problem to determine if it makes sense for the situation and the given questions. • Connect symbols (< Less Than, > Greater Than, and = Equal To) to the meaning.

B.3 NUMBERS AND OPERATIONS IN BASE TEN

Standard	Concepts and Competencies	Supportive Practices
2.1 1.B.3 **Use place-value concepts and properties of operations to add and subtract within 100.**	**The learner will:** • Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10 using concrete models or drawings. • Relate the strategy to a written method and explain the reasoning used. • Subtract multiples of 10 in the range 10–90, using concrete models or drawings. Relate the strategy to a written method and explain the reasoning used.	**The adult will:** • Encourage students to share, discuss, and compare solution strategies after they solve problems. • Encourage students to develop the habit of checking their answer to a problem to determine if it makes sense for the situation and the given questions. • Demonstrate solving addition and subtraction story problems by providing a variety of manipulatives and drawings. • Provide opportunities to explain strategies for solving addition and subtraction problems.

2.2 Algebraic Concepts

BIG IDEAS: Mathematical relationships among numbers can be represented, compared, and communicated. Mathematical relationships can be represented as expressions, equations, and inequalities in mathematical situations. Patterns exhibit relationships that can be extended, described, and generalized.
ESSENTIAL QUESTIONS: How is mathematics used to quantify, compare, represent, and model numbers? How can mathematics support effective communication? How are relationships represented mathematically? How can expressions, equations, and inequalities be used to quantify, solve, model, and/or analyze mathematical situations? How can patterns be used to describe relationships in mathematical situations? How can recognizing repetition or regularity assist in solving problems more efficiently?

A.1 OPERATIONS AND ALGEBRAIC THINKING

Standard	Concepts and Competencies	Supportive Practices
2.2 1.A.1 **Represent and solve problems involving addition and subtraction within 20.**	**The learner will:** • Use addition and subtraction within 20 to solve word problems by using objects, drawings, and equations with a symbol for the unknown number to represent the problem. • Add and subtract within 20. (e.g., use strategies such as counting on, making 10, decomposing a number leading to a 10, using the relationship between addition and subtraction and creating equivalent but easier or known sums) • Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20. • Construct viable arguments and critique the reasoning of others.	**The adult will:** • Provide and incorporate opportunities for solving problems in both everyday occurrences and planned, purposeful instruction. • Model and incorporate appropriate math language and vocabulary. • Model and supply students with manipulatives to count, order, and group so they will recognize that a number represents a specific quantity. • Provide problems with different operations is essential. • Demonstrate and develop students' abilities to find differences using related addition facts. • Provide opportunities for students to explain various strategies for solving story problems or equations (by using concrete models or drawing). • Encourage students to check their thinking by asking themselves, "Does this make sense?" • Construct arguments using concrete referents, such as objects, pictures, drawings, and actions. • Guide students in creating a representation of a problem while attending to the meanings of the quantities (quantitative reasoning). • Provide practice for mathematical communication skills for students to participate in mathematical discussions involving questions (e.g., "How did you get that?" "Explain your thinking." and "Why is that true?") and listening to others' explanations. • Encourage students to consider the available tools when solving a mathematical problem. • Provide guidance in deciding when certain tools might be helpful.

A.2 OPERATIONS AND ALGEBRAIC THINKING

Standard	Concepts and Competencies	Supportive Practices
2.2 1.A.2 **Understand and apply properties of operations and the relationship between addition and subtraction.**	**The learner will:** • Apply properties of operations as strategies to add and subtract. (e.g., commutative property of addition, associative property of addition) • Understand subtraction as an unknown-addend problem. (e.g., subtract 10 – 8 by finding the number that makes 10 when added to 8)	**The adult will:** • Demonstrate and develop students' abilities to find differences using related addition facts. • Model and incorporate appropriate math language and vocabulary. • Supply students with manipulatives to count, order, and group.

2.3 Geometry

BIG IDEAS: Patterns exhibit relationships that can be extended, described, and generalized. Geometric relationships can be described, analyzed, and classified based on spatial reasoning and/or visualization.
ESSENTIAL QUESTIONS: How can patterns be used to describe relationships in mathematical situations? How can recognizing repetition or regularity assist in solving problems more efficiently? How are spatial relationships, including shape and dimension, used to draw, construct, model, and represent real situations or solve problems? How can the application of the attributes of geometric shapes support mathematical reasoning and problem solving? How can geometric properties and theorems be used to describe, model, and analyze situations?

A.1 GEOMETRY – IDENTIFICATION

Standard	Concepts and Competencies	Supportive Practices
2.3 1.A.1 **Compose and distinguish between two- and three-dimensional shapes based on their attributes.**	**The learner will:** • Compose two- and three-dimensional shapes and distinguish between attributes. • Build, create, and draw shapes that possess given attributes. • Develop mathematical communication skills. • Construct arguments using concrete referents. (e.g., objects, pictures, drawings, actions)	**The adult will:** • Provide an environment rich in geometric design. • Use appropriate manipulatives (e.g., geoboards) and activities to create shapes and form congruent plane figures. • Create a chart with attributes of each object. • Use appropriate manipulatives (e.g., pattern blocks, building blocks, etc.) to allow for exploration and construction of new shapes. • Provide experiences with shapes in different orientations. • Provide opportunities to identify and name the properties of two- and three- dimensional shapes using plane figures and geometric solids. • Use real objects as examples of geometric solids. • Provide practice of mathematical communication skills as students participate in mathematical discussions. • Encourage students to explain their own thinking by listening to others' explanations and deciding if the explanations make sense.

A.2 GEOMETRY – APPLICATION

Standard	Concepts and Competencies	Supportive Practices
2.3 1.A.2 **Use the understanding of fractions to partition shapes into halves and quarters.**	**The learner will:** • Partition circles and rectangles into two and four equal shares. • Draw the conclusion that decomposing into more equal shares creates smaller shares.	**The adult will:** • Encourage students to compare the change in the size of the fractional parts as recommended in the folding shapes strategy. • Focus on concrete and representational activities. (e.g., block play) • Provide opportunities to construct arguments using concrete referents. (e.g., objects, pictures, drawings, actions)

2.4 Measurement, Data, and Probability

BIG IDEAS: Numerical quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools. Measurement attributes can be quantified, and estimated using customary and non-customary units of measure. Data can be modeled and used to make inferences. Mathematical relations and functions can be molded through multiple representations and analyzed to raise and answer questions.

ESSENTIAL QUESTIONS: What does it mean to estimate or analyze numerical quantities? When is it appropriate to estimate versus calculate? What makes a tool and/or strategy appropriate for a given task? Why does "what" we measure influence "how" we measure? In what ways are the mathematical attributes of objects or processes measured, calculated, and/or interpreted? How precise do measurements and calculations need to be? How does the type of data influence the choice of display? How can probability and data analysis be used to make predictions? How can data be organized and represented to provide insight into the relationship between qualities?

A.1 MEASUREMENT AND DATA – MEASUREMENT

Standard	Concepts and Competencies	Supportive Practices
2.4 1.A.1 **Order lengths and measure them both indirectly and by repeating length units.**	**The learner will:** • Order three objects by length; compare the lengths of two objects indirectly by using a third object. • Use standard and non-standard units of measure to express the length of an object as a whole number of length units. • Understand that the length measurement of an object is the number of same-size length units. • Determine the appropriate measurement tool, explore and apply understanding of estimation.	**The adult will:** • Guide students to understand that length is measured from one end point to another end point (both the length and the width of an object are measurements of length). • Model the appropriate math language and vocabulary. • Guide the process of comparing objects using a specified attribute. • Provide opportunities measuring with both standard and non-standard tools and units. • Provide materials/opportunities and support learners in making estimations. • Encourage students to check their thinking by asking questions. (e.g., "Does this make sense?") • Encourage students to consider the available tools when solving a mathematical problem.

A.2 MEASUREMENT AND DATA

Standard	Concepts and Competencies	Supportive Practices
2.4 1.A.2 **Tell and write time to the nearest half hour using both analog and digital clocks.**	**The learner will:** • Tell and write time in hours and half hours using analog and digital clocks.	**The adult will:** • Provide opportunities to work with a clock. (e.g., manipulating the hands, telling the time) • Provide and incorporate opportunities in both everyday occurrences and planned, purposeful instruction with telling and writing time. • Model and incorporate appropriate math language and vocabulary.

A.4 MEASUREMENT AND DATA – DATA

Standard	Concepts and Competencies	Supportive Practices
2.4 1.A.4 **Represent and interpret data using tables/ charts.**	**The learner will:** • Organize, represent, and interpret data with up to three categories. • Ask and answer questions about the data.	**The adult will:** • Provide easy-to-read data sets. • Assist (as needed) learners in reading the data. (e.g., deducing information, drawing conclusions, and applying data to future events/behaviors) • Pose open-ended questions to engage learners in reading data on a graph. • Provide opportunities to see graphs used in the real world. • Encourage and support learners in explaining how they applied their skills during mathematical work. • Provide opportunities to create and interpret graphs throughout the school day. • Model and verbalize the process of graphing using mathematical language and vocabulary. • Provide opportunities to construct arguments using concrete referents. (e.g., objects, pictures, drawings, actions) • Provide opportunities to practice mathematical communication skills.

Mathematical Thinking and Expression Glossary

Algebraic Expression—A group of numbers, symbols, and variables that express a single series of operations.

Ascending Order—A listing in which numbers or terms are organized in increasing value.

Attribute—A quality or feature regarded as a characteristic or inherent part of someone or something.

Bar Graph—A graph in which horizontal or vertical bars represent data.

Cardinality—The number of elements in a set or other grouping.

Concrete Objects—Physical objects used to represent mathematical situations.

Counting On—Given two sets of objects in which to find the sum; learner counts one set and then counts on from the first set to the second set (3 apples in one set, 1 apple in other set – learner says 1 – 2 – 3 and then 4; there are 4 in all).

Data—Information gathered by observation, questioning, or measurement, usually expressed with numbers.

Descending Order—A listing in which numbers or terms are organized in decreasing value.

Graph—A pictorial device that shows a relationship between variables or sets of data.

Manipulatives—A wide variety of physical materials, objects, and supplies that students use to foster mathematical learning.

Non-Standard Measurement—A measure that is not determined by the use of standard units (paper clips, blocks).

Numerical Operations—Place value, number sense, counting, correspondence, comparison, ordering numbers, addition, subtraction (joining/separating sets).

Number Sense—Understanding of numbers and their quantities.

Ordinal Number—A whole number that names the position of an object in a sequence.

Pictograph—A graph that uses pictures or symbols to represent data.

Place Value—The value of the position of a digit in a numeral.

Probability—The measure of the likelihood of an event occurring.

Reflection—A transformation creating a mirror image of a figure on the opposite side of a line.

Seriation—Arranging objects in order by size or position in space (arrange in a series of pattern).

Spatial Sense—Building and manipulating mental representations of two- and three-dimensional objects.

Standard Measurement—A measure determined by the use of standard units. (e.g., inches, feet, pounds, cups, pints, gallons, centimeters, meters, kilos, milliliters, liters)

Subitize—To perceive the number of (a group of items) at a glance and without counting.

Symbol—A sign used to represent something.

Symmetry—An attribute of a shape or relation; an exact reflection of a form on opposite sides of a dividing line or place.

Three-dimensional—Involving or relating to three dimensions or aspects; giving the illusion of depth.

Two-dimensional—Having only two dimensions, especially length and width.

Whole Numbers—The set of numbers consisting of the counting numbers and zero.

Scientific Thinking and Technology

Exploring, Scientific Inquiry, and Discovery

3.1A Biological Sciences – Living and Nonliving Organisms

3.1B Biological Sciences – Genetics

3.1C Biological Sciences – Evolution

3.2A Physical Sciences – Chemistry

3.2B Physical Sciences – Physics

3.3A Earth and Space Sciences – Earth Structures, Processes, and Cycles

4.1 Environment and Ecology – Ecology

4.2 Environment and Ecology – Watersheds and Wetlands

4.3 Environment and Ecology – Agriculture and Society

4.4 Environment and Ecology – Humans and the Environment

15.4 Computer and Information Technology

Children are born with natural curiosity and the innate science and math skills to interpret and respond to the world. Children learn about Science, Technology, Engineering, and Math (STEM) concepts through play. They explore, experiment, invent, design and test solutions, and form ideas about how the world works. Technology, engineering, and math are the application of science to the design, creation, and construction of things. Students who are given opportunities to conduct experiments, gather data, and make conclusions are developing skills that support discovery about the natural world and scientific inquiry. Adults support science in play by providing an engaging environment and facilitating appropriately. Scientific play is enhanced with natural objects. High-quality early learning environments provide students with the structure in which to build upon their natural desire to explore, build, and question. Adults must acknowledge and support students in extending their curiosity through the scientific process of inquiry, observing, asking questions, forming hypothesis, investigating, gathering data, drawing conclusions, and building ideas that lead to new questions.

Facilitating Scientific Inquiry

Adults facilitate scientific inquiry when classrooms or learning environments are structured to promote curiosity. Scientific inquiry is the active search for knowledge and occurs most successfully when adults intentionally create activities and experiences that allow students to use previously learned knowledge to understand new information. One role of the adult during this active exploration is to scaffold students' thinking by asking open-ended questions. Open-ended questions encourage problem-solving and support students' learning of the world around them. Open-ended questions are a more effective strategy to encourage learning and critical thinking when compared to closed questions, which typically result in short answers that don't provide insight into students' thinking. When learning environments are structured to promote curiosity, students use strategies that are based on scientific inquiry.

3.1 Biological Sciences

BIG IDEAS: Living things have unique characteristics which differ from nonliving things. The characteristics of living things can be observed and studied.
ESSENTIAL QUESTIONS: In what ways do living and nonliving things differ? What are similarities, differences, and patterns of living things?

A. LIVING AND NONLIVING ORGANISMS

1. COMMON CHARACTERISTICS OF LIFE

Standard	Concepts and Competencies	Supportive Practices
3.1 1.A.1 **Categorize living and nonliving things by external characteristics.**	**The learner will:** • Identify living and nonliving things. • Define what makes an object living versus nonliving. (e.g., grow, reproduce) • Sort animals according to their body coverings. (e.g., fur, feathers, scales, number of appendages) • Sort plants. (e.g., size, type of leaf, flowering or non-flowering) • Sort nonliving things. (e.g., size, texture)	**The adult will:** • Use various strategies to make comparisons. (e.g., charts or Venn diagrams • Display real objects as examples of living and nonliving things. • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope) for hands-on exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigations.

2. ENERGY FLOW

Standard	Concepts and Competencies	Supportive Practices
3.1 1.A.2 **Investigate the dependence of living things on the sun's energy, water, food/ nutrients, air, living space, and shelter.**	**The learner will:** • Identify what plants and animals need to survive in a suitable habitat. (e.g., food, air, water, shelter, space, sunlight) • Identify how a plant or animal acquires basic needs in its habitat. • Compare and contrast ways plants and animals acquire basic needs.	**The adult will:** • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigations. • Provide literature connections. (e.g., nonfiction and fiction—real or virtual) • Ask students to analyze and illustrate basic needs. (e.g., food, water, shelter, and space to survive)

5. FORM AND FUNCTION

Standard	Concepts and Competencies	Supportive Practices
3.1 1.A.5 **Identify and describe plant parts and their functions.**	**The learner will:** • Describe functions of the parts of plants. • Draw and label a plant diagram. • Compare and contrast parts of plants.	**The adult will:** • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigations. • Provide literature connections. (e.g., nonfiction and fiction—real or virtual) • Display real life examples of plants and plant parts. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope) for hands-on exploration.

9. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.1 1.A.9 **Participate in investigations about living and/or nonliving things to answer a question or to test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g., tools, other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

B. GENETICS

1. HEREDITY

Standard	Concepts and Competencies	Supportive Practices
3.1 1.B.1 **Grow plants from seed and describe how they grow and change.** **Compare to adult plants.**	**The learner will:** • Observe and record the growth of a plant. (e.g., seed to seed) • Explain and illustrate the similarities and differences between a young and adult plant.	**The adult will:** • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigation. • Provide literature connections (e.g., nonfiction and fiction—real or virtual) • Display real-life examples of plants and plant parts. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope) for hands-on exploration.

6. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.1 1.B.6 **Participate in simple investigations of physical characteristics of living things from the same species to answer a question or test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g. tools and other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g. hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

C. EVOLUTION

3. UNIFYING THEMES (Constancy and Change)

Standard	Concepts and Competencies	Supportive Practices
3.1 1.C.3 **Describe changes that occur as a result of habitat.**	**The learner will:** • Identify adaptations based on seasonal change. (e.g., camouflage—arctic fox, falling leaves) • Explain how animals and plants prepare for seasonal change within the habitat. • Describe changes that occur in a habitat due to natural or manmade causes. (e.g., oil spill, beaver dam, building a development, flood/erosion, drought)	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Use online resources to expose students to different adaptations and habitats. • Simulate a change in habitat. (e.g., oil spill using water, vegetable oil)

4. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.1 1.C.4 **Participate in simple investigations of changes in animals to answer a question or test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g., tools, other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

3.2 Physical Sciences

BIG IDEA: Physical properties help us to understand the world.
ESSENTIAL QUESTIONS: What are physical properties of objects? How are physical properties of objects discovered? What effect does energy have on the physical properties of objects?

A. CHEMISTRY

1. PROPERTIES OF MATTER

Standard	Concepts and Competencies	Supportive Practices
3.2 1.A.1 **Observe and describe the properties of liquids and solids.** **Investigate what happens when solids are mixed with water and other liquids are mixed with water.**	**The learner will:** • Explain, record, and/or illustrate comprehension of all matter has physical properties. • Explore, observe, and/or record various combinations of substances. (e.g., ice in water, oil in water, salt in water) • Observe, describe, and classify (e.g., compare and contrast) matter by properties. (e.g., size, color, shape, weight, solid, liquid, other attributes) • Use simple equipment (e.g., plastic tub, cups, magnifying lens) to observe, describe, and classify matter.	**The adult will:** • Identify and discuss the three states of matter. (e.g., solid, liquid, gas) • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Use online resources to expose students to properties of matter. • Provide opportunities to research and present findings. • Provide literature connections. (e.g., nonfiction and fiction) • Provide simple tools (e.g., plastic tub, cups, magnifying lens) for hands-on investigation and exploration.

3. MATTER AND ENERGY – EVALUATING ARGUMENTS

Standard	Concepts and Competencies	Supportive Practices
3.2 1.A.3 **Identify how heating, melting, cooling, etc., may cause changes in the properties of materials.**	**The learner will:** • Conduct investigations to explore the physical properties of matter. (e.g., heating, melting, cooling, freezing) • Make a prediction. (e.g., what will happen during the experiment) • Compare predictions to the actual result. • Identify the cause-and-effect relationship and describe the process. • Journal results of the investigation.	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Present a cause-and-effect example. • Use online resources to expose students to properties of materials. • Provide opportunities to research and present findings. • Provide opportunities to journal. (e.g., learning log) • Provide simple tools (e.g., flashlight, ice cube tray, thermometer, Popsicle sticks, measuring cups) for hands-on investigation and exploration.

4. REACTIONS

Standard	Concepts and Competencies	Supportive Practices
3.2 1.A.4 **Observe and describe what happens when substances are heated or cooled. Distinguish between changes that are reversible (e.g., melting, freezing) and not reversible. (e.g., baking a cake, burning fuel)**	**The learner will:** • Conduct investigations that explore irreversible changes in substances. (e.g., making a cake, freezing ice cream) • Distinguish between changes that are reversible and irreversible. • Make a prediction. (e.g., what will happen during the experiment) • Compare predictions to the actual result. • Identify the cause-and-effect relationship and describe the process. • Journal results of the investigation.	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Present a cause-and-effect example. • Use online resources to expose students to properties of materials. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Provide simple tools (e.g., flashlight, ice cube tray, thermometer, Popsicle sticks, measuring cups) for hands-on investigation and exploration.

5. UNIFYING THEMES

Standard	Concepts and Competencies	Supportive Practices
3.2 1.A.5 **Recognize that everything is made of matter.**	**The learner will:** • Identify solid, liquid, and gas when presented with real objects. • Recognize matter takes on different shapes depending upon its type. (e.g., solids have shape, liquids take the shape of container, gas lacks shape) • Sort materials based on type of matter. (e.g., solid, liquid, gas)	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide visual representations of various types of matter. • Use online resources to expose students to properties of materials. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Provide opportunities to sort matter and share results. • Provide simple tools (e.g., flashlight, ice cube tray, thermometer, Popsicle sticks, measuring cups) for hands-on investigation and exploration.

6. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.2 1.A.6 **Participate in simple investigations of matter to answer a question or to test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g., tools, other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

B. PHYSICS

1. FORCE AND MOTION OF PARTICLES AND RIGID BODIES

Standard	Concepts and Competencies	Supportive Practices
3.2 1.B.1 **Demonstrate various types of motion.** **Observe and describe how pushes and pulls change the motion of an object.**	• Explore, discuss, demonstrate, and record two types of motion (push/pull). • Explore, discuss, demonstrate, and record the effects of pushing and pulling on an object. • Describe how the type of motion changes the speed or direction of an object.	• Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Use online resources to expose students to properties of materials. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Provide opportunities to sort matter and share results. • Provide simple tools (e.g., ramp, cars, rubber bands, silly putty) for hands-on investigation and exploration.

3. HEAT/HEAT TRANSFER

Standard	Concepts and Competencies	Supportive Practices
3.2 1.B.3 **Observe and record daily temperatures.** **Draw conclusions from daily temperature records as related to heating and cooling.**	**The learner will:** • Read a thermometer to the degree • Observe, record, and analyze daily temperature (note how it's related to heating and cooling). • Compare outside and inside temperatures. • Compare and contrast temperatures. (e.g., hot, cold, warm) • Identify temperatures. (e.g., hot, cold, warm) • Compare temperature to specific types of weather. (e.g., snow)	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide visual representations of hot and cold temperatures. • Use online resources to expose students to temperature. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Provide simple tools (e.g., pinwheels, solar-powered tools—calculator) for hands-on investigation and exploration.

5. NATURE OF WAVES (Sound and Light Energy)

Standard	Concepts and Competencies	Supportive Practices
3.2 1.B.5 **Compare and contrast how light travels through different materials.** **Explore how mirrors and prisms can be used to redirect a light beam.**	**The learner will:** • Recognize the sun as a source of light. • Investigate the behavior of light with different objects. (e.g., prisms, mirrors, different surfaces, colored glass) • Compare and contrast the properties of light on different surfaces. (e.g., tissue and construction paper) • Discuss the characteristics of light.	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Use online resources to expose students to temperature. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Provide simple tools (e.g., flashlight, mirrors, prisms, overhead projector, CDs) for hands-on investigation and exploration.

6. UNIFYING THEMES (Energy)

Standard	Concepts and Competencies	Supportive Practices
3.2 1.B.6 **Recognize that light from the sun is an important source of energy for living and nonliving systems and some source of energy is needed for all organisms to stay alive and grow.**	**The learner will:** • Identify that plants need sunlight to grow. • Name the sun as the largest source of energy. • Recognize the sun is essential for survival.	**The adult will:** • Provide experiments that use sunlight. • Provide literature connections. (e.g., nonfiction and fiction) • Facilitate a discussion of students' findings from investigations. • Encourage collaboration and discussion among peers. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Encourage documentation of observations in journals with words and or pictures.

7. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.2 1.B.7 **Participate in simple investigations of energy and motion to answer a question or to test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g., tools, other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

3.3 Earth and Space Sciences

BIG IDEA: The earth, which is part of a larger solar system, consists of structures, processes, and cycles which affect its inhabitants.
ESSENTIAL QUESTIONS: What structures, processes, and cycles make up the earth? How do the various structures, processes, and cycles affect the earth's inhabitants? How do we know the earth is part of a larger solar system?

A. EARTH STRUCTURE, PROCESSES, AND CYCLES

1. EARTH FEATURES AND THE PROCESSES THAT CHANGE THEM

Standard	Concepts and Competencies	Supportive Practices
3.3 1.A.1 **Observe, describe, and sort earth materials.** **Compare the composition of different soils.**	**The learner will:** • Use vocabulary (e.g., flat land, hills, mountains, volcano) to describe features of the Earth. • Identify, describe, and compare similarities and differences of land types. (e.g., forest, beach, swamp) • Identify, describe, and compare types of earth materials. (e.g., sandy, silty, clay, peaty, saline)	**The adult will:** • Take the students on a walk or field trip (e.g., real or virtual) to experience different landforms. • Provide opportunities to use art materials to model landforms. • Create a mural that illustrates the concepts of flat land, hills, and mountains. • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigations. • Provide materials (e.g., rocks, pebbles, soil, sand) of different colors, sizes, and shapes for sorting and comparison. • Experiment with the types of soil found in the local environment. (e.g., shake soil in container—sandy falls to bottom, silty stays in center, clay moves to top)

4. WATER

Standard	Concepts and Competencies	Supportive Practices
3.3 1.A.4 **Identify and describe types of fresh and salt-water bodies (e.g., oceans, rivers, lakes, ponds).**	**The learner will:** • Identify and describe types of fresh and salt-water bodies. (e.g., oceans, rivers, lakes, ponds) • Compare and contrast similarities and differences of fresh and salt-water bodies.	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide deeper dialogue and experimentation on the various types of fresh and salt-water bodies. • Use online resources to expose students to types of fresh and salt-water bodies. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log)

5. WEATHER AND CLIMATE

Standard	Concepts and Competencies	Supportive Practices
3.3 1.A.5 **Become familiar with weather instruments.** **Collect, describe, and record basic information about weather over time.**	**The learner will:** • Identify purposes of various weather instruments. (e.g., thermometer, rain gauge) • Collect, describe, and record basic information about weather over time. (e.g., calendar) • Transfer weather information collected on calendar to a bar graph. (e.g., look for patterns) • Create and use a rain gauge (e.g., plastic water bottle, stones, inch ruler made from overhead transparency) and discuss findings.	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Use online resources to expose students to weather instruments. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Graph the various types of weather/temperatures over one week. (e.g., look for and discuss patterns)

7. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.3 1.A.7 **Participate in simple investigations of earth structures, processes, and cycles to answer a question or to test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g., tools and other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

B. ORIGIN AND EVOLUTION OF THE UNIVERSE

1. COMPOSITION AND STRUCTURE

Standard	Concepts and Competencies	Supportive Practices
3.3 1.B.1 **Explain why shadows fall in different places at different times of the day.**	**The learner will:** • Observe and illustrate own shadow outside at various times of the day. (e.g., illustrate shadows outside three times during the day, record time, and measure) • Discuss various aspects of shadows. (e.g., length, cause, position)	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide deeper dialogue and experimentation on shadows. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log)

3. SCIENCE AS INQUIRY

Standard	Concepts and Competencies	Supportive Practices
3.3 1.B.3 **Participate in simple investigations of the objects found in the day or night sky to answer a question or to test a prediction.**	**The learner will:** • Distinguish between scientific fact and opinion. • Ask questions about objects, organisms, and events. • Understand that all scientific investigations involve asking and answering questions and comparing the answer with what is already known. • Plan and conduct a simple investigation and understand that different questions require different kinds of investigations. • Use simple equipment (e.g., tools, other technologies) to gather data and understand that this allows scientists to collect more information than relying only on their senses to gather information. • Use data/evidence to construct explanations and understand that scientists develop explanations based on their evidence and compare them with their current scientific knowledge. • Communicate procedures and explanations giving priority to evidence and understanding that scientists share findings.	**The adult will:** • Ask "what if" questions. • Compare and contrast materials. • Provide opportunities to observe and explore (e.g., hands-on experimentation) to build a broader base of knowledge from which to construct new ideas. • Provide inquiry time for exploration (e.g., hands-on) and opportunity for presentation. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide simple equipment (e.g., magnifying glass, microscope) to gather data.

Environment and Ecology

BIG IDEAS: People live in an environment. People share the environment with other living things. People are impacted and have impact on the environment.
ESSENTIAL QUESTIONS: How can I describe my immediate environment? In what ways can I use the environment? How does what I do (positive or negative) affect my environment?

4.1 ECOLOGY

A. THE ENVIRONMENT

Standard	Concepts and Competencies	Supportive Practices
4.1 1.A **Identify and describe the basic needs of living things in a terrestrial habitat.**	**The learner will:** • Identify elements within a habitat necessary for organisms to live. • Explain and illustrate how each element contributes to the basic need of an organism. • Create an example of a terrestrial habitat. (e.g., model, illustration) • Identify and compare different terrestrial habitats. (e.g., desert, prairie, rainforest, farm)	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Take a field trip (e.g., virtual or real) of a terrestrial habitat.

C. ENERGY FLOW

Standard	Concepts and Competencies	Supportive Practices
4.1 1.C **Describe a simple food chain within a terrestrial habitat.**	**The learner will:** • Identify the initial source of any food web. • Explore, discuss, and illustrate different food webs. • Design a model of a food chain. • Roll play a food web. (e.g., use hula hoops to visualize the chain)	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Take a field trip (e.g., virtual or real) of a terrestrial habitat.

D. BIODIVERSITY

Standard	Concepts and Competencies	Supportive Practices
4.1 1.D **Identify living things that are threatened, endangered, or extinct.**	**The learner will:** • Use and define vocabulary. (e.g., threatened, endangered, extinct) • Discuss the differences between threatened, endangered, and extinct. • Classify by threatened, endangered, and extinct. • Identify potential sources that lead to extinction.	**The adult will:** • Provide literature connections. (e.g., nonfiction and fiction) • Provide inquiry time for exploration. • Provide deeper dialogue on what makes a living thing threatened, endangered, or extinct. (e.g., characteristics/ criteria—number of species living) • Provide opportunities to research and present on findings. • Provide opportunities to journal. (e.g., learning log) • Visit a live-web cam. (e.g., bald eagle, peregrine falcon)

E. SUCCESSION

Standard	Concepts and Competencies	Supportive Practices
4.1 1.E **Describe the seasons and describe how the change of the season affects living things.**	**The learner will:** • Describe how living things change with seasons. (e.g., migration, hibernation, availability of sunlight, behavior) • Describe people, places, and things throughout the seasons. (e.g., fall—apple harvest, leaves falling) • Explain how seasonal change affects the environment. • Observe and compare similarities and differences between living things due to seasonal changes.	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope, technology) for hands-on exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigations. • Provide literature connections. (e.g., nonfiction and fiction)

4.2 WATERSHEDS AND WETLANDS

A. WATERSHEDS

Standard	Concepts and Competencies	Supportive Practices
4.2 1.A **Explain the path water takes as it moves through the water cycle.**	**The learner will:** • Define and discuss the stages of a water cycle. (e.g. evaporation, condensation, precipitation) • Identify sun as the source responsible for the water cycle. • Sequence pictures depicting the stages of the water cycle. • Illustrate the stages of the water cycle. (e.g., evaporation, condensation, precipitation)	**The adult will:** • Model stages of a water cycle. • Define and discuss vocabulary related to water cycle. • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigations. • Provide literature connections. (e.g., nonfiction and fiction)

4.3 NATURAL RESOURCES

A. USE OF NATURAL RESOURCES

Standard	Concepts and Competencies	Supportive Practices
4.3 1.A **Identify some renewable resources used in the community.**	**The learner will:** • Identify local renewable resources. (e.g., air, water, plants, solar energy) • Identify how renewable resources are used to make energy.	**The adult will:** • Share examples of renewable resources. (e.g., air, water, plants, solar energy) • Provide examples of renewable resources for hands-on exploration. (e.g., coal, water, oil in sealed jar) • Provide literature connections. (e.g., nonfiction and fiction) • Ask open-ended questions to encourage conversation. • Discuss connection of object to renewable resource. (e.g., paper—tree)

B. AVAILABILITY OF NATURAL RESOURCES

Standard	Concepts and Competencies	Supportive Practices
4.3 1.B **Recognize the difference between renewable and nonrenewable resources.**	**The learner will:** • Define renewable and nonrenewable resources. • Compare and contrast renewable and non-renewable resources. • Classify renewable and non-renewable resources. • Describe why it's necessary to conserve resources.	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope, technology) for hands-on exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigations. • Provide literature connections. (e.g., nonfiction and fiction)

4.4 AGRICULTURE AND SOCIETY

A. FOOD AND FIBER SYSTEMS

Standard	Concepts and Competencies	Supportive Practices
4.4 1.A **Describe the role of soil in agricultural systems.**	**The learner will:** • Define and discuss characteristics of soil. • Investigate various types of soil. • Participate in experiments using various types of soil. • Explain how soil is used in agriculture.	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope, technology) for hands-on exploration. • Provide opportunities to investigate agriculture systems. (e.g., real or virtual) • Provide literature connection. (e.g., nonfiction and fiction) • Ask open-ended questions to encourage further investigations. • Facilitate a field trip (real or virtual) to an agriculture system. (e.g., orchard, farm, greenhouse)

C. APPLYING SCIENCES TO AGRICULTURE

Standard	Concepts and Competencies	Supportive Practices
4.4 1.C **Describe the life cycles of different plants and animals in a terrestrial habitat.**	**The learner will:** • Observe, describe, and document a life cycle of a living organism in a terrestrial habitat. • Create and label a diagram to demonstrate the life cycle of a living organism in a terrestrial habitat.	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools (e.g. magnifying glass, ruler, scale, microscope, technology) for hands-on exploration. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide literature connections. (e.g., nonfiction and fiction) • Provide illustrations to demonstrate stages in life cycles.

D. TECHNOLOGY INFLUENCES ON AGRICULTURE

Standard	Concepts and Competencies	Supportive Practices
4.4 1.D **Identify tools used in agriculture by Native Americans and early settlers.**	**The learner will:** • Research and discuss agricultural tools used by Native Americans and early settlers. • Identify similarities and differences of tools used by Native Americans and early settlers. • Compare and contrast tools of the past to tools used in agriculture today. • Create a model of an early agricultural tool. (e.g., illustration, clay)	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope, technology) for hands-on exploration. • Ask open-ended questions to encourage further investigations. • Facilitate a discussion of students' findings from investigations. • Provide literature connections. (e.g., nonfiction and fiction)

4.5 HUMANS AND THE ENVIRONMENT

A. SUSTAINABILITY

Standard	Concepts and Competencies	Supportive Practices
4.5 1.A **Identify resources humans use from the environment.**	**The learner will:** • Identify and discuss purposes of water. (e.g., drinking, bathing) • Identify and discuss purposes of wood. (e.g., heat, shelter, pencil, paper) • Identify and discuss purposes of energy. (e.g., oil, coal, solar, wind energy) • Identify resources used for clothing. (e.g., cotton, wool, leather) • Describe uses of Earth materials. (e.g., rock, sand, pebbles, wood)	**The adult will:** • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigation. • Provide literature connections. (e.g., nonfiction and fiction) • Provide concrete examples of resources for hands-on exploration. (e.g., coal, wood, leather, clothing, cotton, wool) • Engage a local expert as a guest speaker.

B. INTEGRATED PEST MANAGEMENT

Standard	Concepts and Competencies	Supportive Practices
4.5 1.B **Describe why people consider some insects, plants. and other living things to be pests, and ways to control their population numbers.**	**The learner will:** • Define and discuss the term "pests." • Identify pests found in the environment. (e.g., stink bug, roach, mice, mosquito, gnat, tick, ant, flea, weeds) • Brainstorm ways to control pests. (e.g., ladybug eats aphid, pesticide, herbicide, trap, screen) • Investigate and discuss why some insects/plants are considered pests to some things and not to others.	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools for hands-on exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigations. • Provide literature connections. (e.g., nonfiction and fiction) • Engage a local expert as a guest speaker.

C. POLLUTION

Standard	Concepts and Competencies	Supportive Practices
4.5 1.C **Describe how pollution affects the health of a habitat.**	**The learner will:** • Define, identify, and/or illustrate pollution. • Discuss and/or illustrate the impact of pollution on living things. • Discuss sources of pollution. (e.g., human—litter, trash; vehicle/power plant/factory exhaust) • Brainstorm possible effects of pollution on a habitat.	**The adult will:** • Provide inquiry time for exploration. • Ask open-ended questions to encourage further investigation. • Provide literature connections. (e.g., nonfiction and fiction) • Engage a local expert as a guest speaker. • Provide opportunities for students to distinguish between a healthy and harmful environment.

D. WASTE MANAGEMENT

Standard	Concepts and Competencies	Supportive Practices
4.5 1.D **Identify where waste from the home, school, and community goes for disposal.**	**The learner will:** • Define and discuss the term "waste." (e.g., plastic, paper, aluminum can, food, glass, cardboard, water, electricity) • Identify and/or illustrate different systems for disposal. • Identify and discuss where different types of waste are disposed.	**The adult will:** • Provide inquiry time for exploration. • Provide simple tools (e.g., magnifying glass, ruler, scale, microscope, technology) for hands-on exploration. • Ask open-ended questions to encourage further investigation. • Facilitate a discussion of students' findings from investigation. • Provide literature connections. (e.g., nonfiction and fiction) • Take a field trip (e.g., virtual or real) to a recycling center.

15.4 Computer and Information Technology

BIG IDEAS: Technology impacts daily living and can be used as a tool for exploring and understanding the world, as well as communicating with one another. The media (e.g., music, books, maps, TV programming, newspapers, magazines, movies, Internet, applications, advertising) constructed with available technology conveys a message that can be read, interpreted, and evaluated.
ESSENTIAL QUESTIONS: How do I choose the correct technology for a task? Can I use various technologies appropriately? How do I read, interpret, and evaluate media?

A. INFLUENCE OF EMERGING TECHNOLOGIES

Standard	Concepts and Competencies	Supportive Practices
15.4 1.A **Identify various technologies used in the classroom and at home.**	**The learner will:** • Name technology with appropriate vocabulary when using or shown. • Discuss personal experiences with technology.	**The adult will:** • Provide technological equipment that children can use independently or with adult support. • Display pictures that reflect technology in use. • Use appropriate terms for technology and discuss how each can be used.

B. DIGITAL CITIZENSHIP

Standard	Concepts and Competencies	Supportive Practices
15.4 1.B **Demonstrate responsible use of technology and equipment.**	**The learner will:** • Perform basic tasks using technological equipment. (e.g., turning on a computer, taking a picture with a digital camera, pushing play button on a tape recorder) • Use technology and components for intended purpose. • Follow established rules (e.g., time limit, handling with care, putting away) when using technology. • Choose technologies that are appropriate for an identified task.	**The adult will:** • Talk about the purposes of technological items. • Provide technological equipment that children can use independently or with adult support. • Establish rules for use of equipment using children's input and be consistent when applying rules. • During class discussions, identify technologies that could help learners find out more. • Use available technology to enhance instruction/learning, encouraging collaboration and interaction between adults and children, as well as between peers.

C. HARDWARE

Standard	Concepts and Competencies	Supportive Practices
15.4 1.C **With prompting and support, identify peripheral devices of a computer system including input and output devices.**	**The learner, with prompting and support, will:** • Name computer components (e.g., mouse, printer, keyboard, screen) using correct vocabulary.	**The adult will:** • Use the correct vocabulary and label corresponding parts of the computer.

D. INPUT TECHNOLOGIES

Standard	Concepts and Competencies	Supportive Practices
15.4 1.D **Demonstrate the correct use of simple input technologies. (e.g., mouse, touch screen, microphone, etc.)**	**The learner will:** • Perform basic tasks using simple input technologies. (e.g., mouse, touch screen, microphone, etc.) • Use input technologies for intended purpose. • Follow established rules (e.g., time limit, handling with care, putting away) when using input technologies.	**The adult will:** • Use visual cues as necessary. (e.g., provide picture directions for use) • Explicitly teach the use of input technologies. • Provide technological equipment that students can use independently or with adult support.

G. SOFTWARE/APPLICATIONS

Standard	Concepts and Competencies	Supportive Practices
15.4 1.G **With help and support, select and use various software/ applications for an intended purpose.**	**The learner, with help and support, will:** • Describe a purpose for use of software/ application. • Choose software/application from choices provided.	**The adult will:** • Research and choose appropriate software for classroom use/ specific instructional goals. • Provide a variety of software/applications for students to use. • Monitor use of software/application.

K. DIGITAL MEDIA

Standard	Concepts and Competencies	Supportive Practices
15.4 1.K **With help and support, identify similarities and differences between text, graphics, audio, animation, and video.**	**The learner, with help and support, will:** • Describe various types of media, what technology is used to convey them, and some components (e.g., words, images, video) of them. • Describe preferences for various types of media.	**The adult will:** • Provide opportunities to use and discuss a variety of media. • Ask questions about various types of media. • Explicitly point out the components of media and similarities and differences between types of media.

L. TECHNOLOGY RESEARCH

Standard	Concepts and Competencies	Supportive Practices
15.4 1.L **With help and support, use web browser to locate content-specific websites.**	**The learner, with help and support, will:** • Generate or choose a topic to learn about. • Follow teacher or peer directions to use web browser to locate information specific to chosen topic.	**The adult will:** • Engage students in inquiry-based projects where they are encouraged to use technology to answer questions, gather information, and communicate findings. • Research and provide listing of appropriate websites based on content/specific themes.

M. EMERGING TECHNOLOGIES IN CAREERS

Standard	Concepts and Competencies	Supportive Practices
15.4 1.M **With help and support, identify various technologies used in the workplace.**	**The learner, with help and support, will:** • Attempt to use model and real medical equipment as it is used at the doctor's office during role-play. • Identify the types of tools and materials used in construction. • Talk about various types of vehicles used in the workplace. (e.g., construction vehicles, firefighting vehicles, boats, airplanes) • Practice using hammers and nails or screws and screwdrivers in woodworking.	**The adult will:** • Provide a variety of model and real technologies (e.g., medical equipment, construction tools, calculators) for students to explore and use. • Use the technical names of equipment when describing. • Read books about various jobs and the technologies that are used. • Encourage students to sort and classify technologies by job. • Offer engineering opportunities to use maps, blueprints, and various types of blocks.

Scientific Thinking Glossary

Characteristic—A feature or quality belonging typically to a person, place, or thing and serving to identify it.

Climate—The weather conditions prevailing in an area in general or over a long period.

Constancy—The quality of being enduring and unchanging.

Energy—The capacity of a body or system to do work.

Energy Flow—Flow of energy is the way energy flows through circuits or a food chain.

Fact—Information that has been objectively verified.

Force—Strength or energy as an attribute of physical action or movement.

Form—The visible shape or configuration of something.

Function—An activity or purpose natural to or intended for a person or thing.

Heredity—The passing on of physical or mental characteristics genetically from one generation to another.

Hibernate—Spend the winter in a dormant state.

Hypothesis—An assertion subject to verification or proof as a premise from which a conclusion is drawn.

Inquiry—A systematic process for using knowledge and skills to acquire and apply new knowledge.

Investigation—The action of investigating something or someone; formal or systematic examination.

Life Cycle—The series of changes in the life of an organism, including reproduction.

Matter—The substance or substances of which any physical object consists or is composed.

Model—A description, analogy, or a representation of something that helps us understand it better. (e.g., a physical model, a conceptual model, a mathematical model)

Motion—The action or process of moving or being moved.

Organism—An individual animal, plant, or single-celled life form.

Patterns—Repeated processes that are exhibited in a wide variety of ways; identifiable recurrences of the element and/or the form.

Prediction—To declare or indicate in advance; especially foretell on the basis of observation, experience, or scientific reason.

Rigid—Unable to bend or be forced out of shape; not flexible.

Science—Search for understanding of the natural world using inquiry and experimentation.

Species—A group of individual organisms capable of interbreeding to produce fertile offspring in nature.

System—A group of related objects that work together to achieve a desired result.

Environment and Ecology Glossary

Adaptation—Special, inherited characteristics that help an organism survive in its environment and which are developed over time.

Agriculture—Science of art of cultivating soil, producing crops, and raising livestock, and in varying degrees the processing and distribution of the food or fiber product or by-product.

Aquatic Ecosystem—The interacting system of a biological community and its nonliving environments; also, the place where these interactions occur (pond, lake, marsh, bog, swamp, creek, river, stream).

Biodiversity—The variety of life in the world or in a particular habitat or ecosystem.

By-Product—Something produced or manufactured in addition to the principal product for which the original resource was cultivated or harvested; often takes on a form very different from its source.

Compost—Decomposed organic material resulting from the breakdown by living beings (mostly microbes) and used to enrich or improve the consistency and content of soil for growing.

Ecosystem—A biological community of interacting organisms and their physical environment.

Fiber—1) Threadlike rows of cells in foods that give texture and substance, or "bulk," which is important in a healthy diet; 2) Slender, threadlike structure combining with other fibers in the form of weaving, knitting, or otherwise intertwining.

Food Chain—The transfer of food energy from one organism to another as each consumes a lower member and in turn is preyed upon by a higher member.

Habitat—The natural home or environment of an animal, plant, or other organism.

Integrated Pest Management—An approach that assesses the pest situation, evaluates the merits of pest management options, and then implements a system of complementary management actions within a defined area.

Litter—Waste materials carelessly discarded or accidentally deposited in an inappropriate place. Littering is against the law.

Natural Resources—Those raw materials supplied by the Earth and its processes. Natural resources include nutrients, minerals, water, plants, animals, etc.

Nonrenewable Resources—Natural materials such as oil, gas, coal, etc. which are considered exhaustible because of their scarcity, the great length of time required for their formation, or their rapid depletion.

Non-Point Pollution—Pollution that is carried far from their original source by rain, melting snow, moving water, wind, etc., and deposited in soil or water systems.

Pest—Any organism that spreads disease, destroys property, competes with people for resources such as food, or is considered a nuisance.

Pollution—Harmful substances deposited in the air, water, or land, leading to a state of dirtiness, impurity, or unhealthiness.

Point Pollution—Contaminants that are discharged or emitted from an identifiable source into the air, water, or soil.

Recycle—To make materials such as glass, aluminum, paper, steel, and plastic into new products.

Reduce—To decrease the amount of waste we produce by buying only what we need, avoiding disposables, and buying products that are not over-packaged.

Renewable Resource—A naturally occurring resource that has the capacity to be replenished through natural processes; the sun, wind, trees, and animals are renewable resources.

Reuse—To extend the life of an item by using it again, repairing it, or creating new uses for it.

Succession—A number of people or things sharing a specified characteristic and following one after the other.

Sustainable—Conserving an ecological balance by avoiding depletion of natural resources.

Terrestrial System—The interacting system of a biological community and its nonliving environments; also, the place where these interactions occur (meadow, forest, farm, field, city).

Waste Management—The collection, transport, processing, recycling or disposal, and monitoring of waste materials.

Water Cycle—The paths water takes through its various states—vapor, liquid, and solid, as it moves throughout Earth's systems (oceans, atmospheres, ground water, streams, etc.). The water cycle is also known as the hydrologic cycle.

Watershed—The land area from which surface runoff drains into a stream, channel, lake, reservoir, or other body of water; also called a drainage basin.

Wetlands—Lands where water saturation is the dominant factor determining the nature of the soil development and the plants and animal communities. (e.g., marsh, bog, swamp)

Computer and Information Technology Glossary

Application—A computer program designed to help people perform an activity.

Digital—Involving or relating to the use of computer technology.

Digital Citizenship—Teaching users the rules of good citizenship online (email etiquette, protecting private information).

Digital Media—Electronic media where data are stored in digital (as opposed to analog) form.

Hardware—The machines, wiring, and other physical components of a computer or other electronic system.

Input Technology—An input method is an operating system component or program that allows users to enter characters and symbols.

Software—The programs and other operating information used by a computer.

Technology—Any device used to extend human capability including computer-based tools.

Social Studies Thinking

Connecting to Communities

5.1 Principles and Documents of Government

5.2 Rights and Responsibilities of Citizenship

5.3 How Government Works

5.4 How International Relationships Function

6.1 Scarcity and Choice

6.2 Market and Economic Systems

6.3 Functions of Government

6.4 Economic Dependence

6.5 Income, Profit, and Wealth

7.1 Basic Geographic Literacy

7.2 Physical Characteristics of Places and Regions

7.3 Human Characteristics of Places and Regions

7.4 Interactions Between People and the Environment

8.1 Historical Analysis and Skills Development

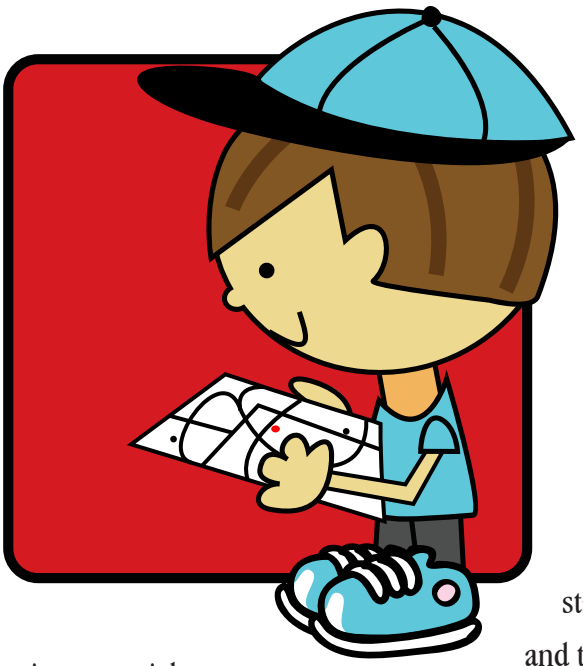
8.2 Pennsylvania History

8.3 United States History

8.4 World History

Inclusive Classrooms

Early childhood classrooms should be inclusive ones where children with disabilities and developmental delays engage in classroom experiences alongside their typically developing peers. When teachers, specialists, and families work together to understand and adapt teaching strategies, materials, and/or environment to children's unique needs, every child can experience success. Adults must celebrate children's accomplishments and appreciate what children can learn and do.



The foundation of social studies, economics, history, and the workings of government begin with children's personal experiences and their initial understanding of themselves in relation to their families, homes, and schools. Gradually, students expand their understanding to include communities and the larger world. As their perception grows, they further expand their scope to understand how systems work together. Adults facilitate children's social studies skill development by helping them engage in active investigations that build knowledge and understanding.

Civics and Government

BIG IDEA: Learning to be a good citizen helps one contribute to society in a meaningful way.
ESSENTIAL QUESTIONS: What rules and consequences are important? Can I identify some American symbols?

5.1 PRINCIPLES AND DOCUMENTS OF GOVERNMENT

A. RULE OF LAW

Standard	Concepts and Competencies	Supportive Practices
5.1 1.A **Explain the purposes of rules in the classroom and school community.**	**The learner will:** • Demonstrate knowledge of the rules in all areas of the classroom and school community. • Accept consequences for non-adherence to the posted rules.	**The adult will:** • Engage students in identifying rules in various places. (e.g., library, hallway, classroom, lunchroom) • Explain and demonstrate rules are for safety, fairness, and respect for others. • Involve students in creating classroom rules and appropriate consequences if not followed. • Explain, model, practice, and reinforce rules for all areas of the school building. • Consistently cite and enforce rules. • Provide consistent consequences for infractions.

B. LAWS AND GOVERNMENT

Standard	Concepts and Competencies	Supportive Practices
5.1 1.B **Explain the importance of rules in the classroom.**	**The learner will:** • Contribute to creating classroom rules and consequences. • Demonstrate respect for the rules. (e.g., positive behavior)	**The adult will:** • Involve students in creating classroom rules. • Consistently cite and enforce rules. • Explain, model, practice, and reinforce rules for all areas of the school building. • Provide consistent consequences for infractions.

C. PRINCIPLES AND IDEALS THAT SHAPE GOVERNMENT

Standard	Concepts and Competencies	Supportive Practices
5.1 1.C **Define equality and the need to treat everyone equally.**	**The learner will:** • Identify similarities between self and others. • Engage in positive interactions with peers. • Brainstorm ways to treat everyone equally.	**The adult will:** • Model and explain how people share more similarities than differences. • Model positive interactions with all students and adults. • Accept and encourage diversity in the classroom community. • Facilitate discussions on equality and ways to treat everyone equally. • Provide consistent consequences for infractions.

D. DOCUMENTS AND IDEALS THAT SHAPE PENNSYLVANIA AND U.S. GOVERNMENT

Standard	Concepts and Competencies	Supportive Practices
5.1 1.D **Explain the importance of written rules and laws.**	• Refer to written, posted rules as part of community interactions. • Contribute to making the classroom rules.	• Engage students in developing a set of classroom rules and consequences. • Consistently cite and enforce rules. • Dialog with students on why rules are in place. • Post all rules in the classroom and review regularly.

E. INDIVIDUAL RIGHTS

Standard	Concepts and Competencies	Supportive Practices
5.1 1.E **Describe students' responsibilities in the school and the community.**	**The learner will:** • Contribute to a positive learning environment through action. • Demonstrate ability to keep own belongings in order. • Complete jobs and responsibilities in the classroom with independence. • Respect others' personal belongings. • Identify classroom and community responsibilities.	**The adult will:** • Define that a right cannot be taken from an individual. (e.g., in school—students have the right to learn and the responsibility to do so) • Provide a written classroom responsibility/job chart to use independently. • Support students' work independently. (e.g., visual cues, classroom routine) • Discuss responsibilities. (e.g., classroom, home, community)

F. SYMBOLS

Standard	Concepts and Competencies	Supportive Practices
5.1 1.F **Identify national symbols.**	**The learner will:** • Identify images, pictures, songs, poems, or items that are symbols of America. (e.g., George Washington, Abraham Lincoln, the flag, Liberty Bell, Thanksgiving	**The adult will:** • Read books that relate to symbols of various nations and discuss their significance. • Incorporate national holiday celebrations into classroom learning events. (e.g., songs, poems, visuals, activities)

5.2 RIGHTS AND RESPONSIBILITIES OF CITIZENSHIP

A. CIVIC RIGHTS AND RESPONSIBILITIES

Standard	Concepts and Competencies	Supportive Practices
5.2 1.A **Identify and explain the importance of responsibilities at school and at home.**	**The learner will:** • Demonstrate appropriate actions that support classroom responsibility. • Demonstrate appropriate actions for learning.	**The adult will:** • Support students' varying levels of independence. (e.g., visual, verbal, physical cues) • Establish classroom expectations for responsibilities. • Provide models of responsible actions.

B. CONFLICT AND RESOLUTION

Standard	Concepts and Competencies	Supportive Practices
5.2 1.B **Identify a problem and attempt to solve with adult or peer assistance.**	**The learner will:** • Identify characteristics of a problem. • State a problem. • State the cause of a problem. • Suggest solutions for a problem. • Attempt to solve a problem until there is a solution.	**The adult will:** • Provide instruction in conflict resolution strategies. • Provide support in working together to resolve a problem. • Use questions to enhance and expand students' thinking about problems. • Model problem-solving. • Incorporate literature that supports positive conflict/resolution actions.

C. LEADERSHIP AND PUBLIC SERVICE

Standard	Concepts and Competencies	Supportive Practices
5.2 1.C **Identify school projects/activities that support leadership and public service.**	**The learner will:** • Demonstrate actions which assist others when needed. • Interact positively with peers. • Demonstrate acceptance of others' leadership roles. • Brainstorm activities that involve leadership and service. (e.g., classroom, school, community)	**The adult will:** Provide daily opportunities for collaboration. • Provide opportunities to volunteer in classroom responsibilities or routines. • Offer opportunities to organize and care for classroom environment. • Facilitate discussions on activities that involve leadership and service. (e.g., classroom, school, community)

D. COMPETENT AND RESPONSIBLE CITIZENS

Standard	Concepts and Competencies	Supportive Practices
5.2 1.D **Explain responsible school behavior.**	**The learner will:** • Consistently demonstrate actions within the rules of the classroom and school community in creating a positive learning environment. • Identify behaviors that are considered to demonstrate responsibility. (e.g., respect peers, contribute to the good of the whole, sets goals and achieves them)	**The adult will:** • Support students in meeting expectations of classroom rules. • Reinforce appropriate behavior. (e.g., classroom, school, field trip) • Discuss what behaviors are associated with responsibility. (e.g., dependable, consistent, prepared, productive)

5.3 HOW GOVERNMENT WORKS

A. BRANCHES OF GOVERNMENT

Standard	Concepts and Competencies	Supportive Practices
5.3 1.A **Identify the roles of local government. (e.g., fire, police etc.)**	**The learner will:** • Identify and discuss the role of a firefighter. • Identify and discuss the role of a police officer. • Identify and discuss the role of other government workers. (e.g., librarian, EMT)	**The adult will:** • Provide instruction on the services needed to help and protect members of the community that are provided by local government. (e.g., highway construction crews, fire departments, police, emergency teams, social workers) • Invite a member of local government as a guest speaker. • Take a field trip (e.g., virtual or real) to a member of local government.

B. STRUCTURE, ORGANIZATION, AND OPERATION OF GOVERNMENTS

Standard	Concepts and Competencies	Supportive Practices
5.3 1.B **Identify the services of local government.**	**The learner will:** • Identify safety services in local community. (e.g., police, fire station, garbage collection) • Identify health services in local community. (e.g., hospitals, doctor's office)	**The adult will:** • Instruct on the services provided by local government which help or protect the members of the community. (e.g., highway construction crews, fire departments, police, emergency teams, social workers) • Invite a local government official to serve as guest speaker. • Provide a variety of texts that highlight local government services. • Take a field trip (e.g., virtual or real) to a community service organization.

C. GOVERNMENT SERVICES

Standard	Concepts and Competencies	Supportive Practices
5.3 1.C **Identify the value of firefighters, police officers, and emergency workers in the community.**	**The learner will:** • Identify work performed by community helpers. (e.g., police officers fight crime, firefighters put out fires) • Role-play work performed by community helpers.	**The adult will:** • Invite community workers to serve as guest speakers. (e.g., sharing the value of work performed) • Facilitate discussions on the important work performed by community helpers.

D. LEADERSHIP AND POLITICAL ELECTIONS

Standard	Concepts and Competencies	Supportive Practices
5.3 1.D **Identify positions of authority in the classroom community.**	**The learner will:** • Participate in classroom responsibilities. • Demonstrate leadership skills in the classroom. (e.g., help a peer)	**The adult will:** • Offer opportunities to practice leadership skills. • Talk about the role of adults who direct the actions of others in the school community that support their right to learn. • Provide texts that highlight leadership. • Use materials from an "Anti-Bullying" curriculum to assist students in understanding the difference between "authority" and "authoritarian."

E. ELEMENTS OF THE ELECTION PROCESS

Standard	Concepts and Competencies	Supportive Practices
5.3 1.E **Identify situations in the school or community when it is beneficial to have an elected official represent the people.**	**The learner will:** • Describe scenarios when it is important to have a teacher intervene. (e.g., someone gets hurt) • Participate in discussions on elected officials. (e.g., how they get elected, roles, responsibilities to the people) • Participate in a voting activity. • Participate in compiling voting results.	**The adult will:** • Provide opportunities to discuss scenarios where adult intervention is helpful. (e.g., injury, safety) • Facilitate discussions on elected officials. (e.g., how they get elected, roles, responsibilities to the people) • Provide opportunities for students to vote on various topics. • Provide various voting options from show of hands to secret ballot. • Involve students in compiling voting results.

F. CONFLICT AND THE COURT SYSTEM

Standard	Concepts and Competencies	Supportive Practices
5.3 1.F **Identify and explain behaviors for responsible classroom citizens and possible consequences for inappropriate actions.**	**The learner will:** • Identify appropriate behavior. (e.g., in and outside of classroom) • Identify consequences for inappropriate behavior. • Demonstrate the knowledge of how classroom rules and expectations contribute to a positive learning environment. • Describe the acceptable behavior of a member of the classroom in structured and unstructured situations.	**The adult will:** • Verbalize and model expectations of behavior in structured and unstructured situations that support a positive learning environment. • Facilitate discussions on appropriate and inappropriate behavior. (e.g., in and outside of classroom) • Support instruction of classroom rules and routines. • Model and support children to participate in cooperative games and play. • Provide texts that highlight appropriate behavior. • Model appropriate behavior. • Use natural consequences as opportunities to discuss consequences of inappropriate action. • Support a bully-free class and school. • Support students being up-standers vs. bystanders.

H. MEDIA INFLUENCES

Standard	Concepts and Competencies	Supportive Practices
5.3 1.H **Explain how information/news is conveyed to the public.**	**The learner will:** • Describe what constitutes news. (e.g., current information) • Identify different types of news. (e.g., weather, sports) • Identify how news is heard. (e.g., television, radio, computer)	**The adult will:** • Dialog with students on how information is received in the school community. • Encourage students to identify the source of information they share and how they received it. • Facilitate discussions on different types of news. (e.g., weather, local, world) • Provide opportunities to watch a piece of a news broadcast (e.g., weather) through various platforms (e.g., computer, television). • Invite a local news celebrity to serve as a guest speaker.

I. TAXES

Standard	Concepts and Competencies	Supportive Practices
5.3 1.I **Provide examples of taxation.**	**The learner will:** • Participate in discussions on taxation. • Identify services provided by local government and if the services are paid or volunteer services. • Explain taxes pay for the services provided.	**The adult will:** • Explain why people pay taxes. • Provide examples of goods and services that are paid with taxes. (e.g., roads, parks, playgrounds) • Facilitate discussion on different types of taxes. (e.g., income, sales, property) • Explain the basic process of collecting taxes. • Dialog with students how taxes from the community members who receive the services pay the people who provide the service.

J. SYSTEMS OF GOVERNMENT

Standard	Concepts and Competencies	Supportive Practices
5.3 1.J **Describe situations where voting eases conflict.**	**The learner will:** • Understand a vote as a choice that is counted. • Understand voting as a right. • Participate in classroom voting experiences. • Participate in compiling voting results.	**The adult will:** • Explain that voting is an individual's right to make a choice. • Provide classroom voting opportunities. (e.g., show of hands, secret ballot) • Discuss how a majority determines a decision. • Introduce voting vocabulary. (e.g., ballot, cast, ticket, poll, majority, minority) • Involve students in compiling voting results. • Support the losing parties in acceptance of the winning vote. • Provide opportunities to brainstorm ways voting eases conflict.

5.4 HOW INTERNATIONAL RELATIONSHIPS FUNCTION

A. COUNTRIES AND CONFLICTS

Standard	Concepts and Competencies	Supportive Practices
5.4 1.A **Identify ways to avoid conflict.**	**The learner will:** • Identify potential problems or conflicts in everyday events. • Explain how different reactions can affect conflict outcomes. • Practice avoiding conflict throughout the day.	**The adult will:** • Use questioning strategies to spark discussion. (e.g., What could you do or say that would lead to a conflict? What could you do or say that would not start a conflict? How could you calm things down?) • Provide a variety of texts (e.g., informative and literature) on conflict resolution strategies. • Model problem-solving dialog throughout the day. • Incorporate literature which supports positive conflict/resolution actions.

B. TOOLS OF FOREIGN POLICY

Standard	Concepts and Competencies	Supportive Practices
5.4 1.B **Describe how classrooms can work together.**	**The learner will:** • Engage with other classrooms to complete a project. • Work cooperatively with other children to achieve a common goal. • Understand individual role in classroom collaboration. (e.g., part of a team) • Brainstorm ways that classrooms can collaborate.	**The adult will:** • Discuss collaboration roles. (e.g., individual, small group, whole group) • Offer opportunities for classrooms to work together. (e.g., goal, project) • Engage children in class meetings and decision-making. • Provide a variety of texts on collaboration. • Model collaboration with teaching peers.

D. MEDIA AND ITS INFLUENCE

Standard	Concepts and Competencies	Supportive Practices
5.4 1.D **Identify different means of receiving information/news.**	**The learner will:** • Receive information through a variety of means. (e.g., spoken, electronic, paper) • State how news is shared. (e.g., television, radio, spoken)	**The adult will:** • Dialog with students on how information is received in the school community. • Encourage students to identify the source of information they share and how they received it. • Provide opportunities to receive information through a variety of ways. (e.g., radio, television, spoken) • Use visual graphics to note similarities and differences in news media. • Provide a variety of texts on news media. • Brainstorm future methods that news/information may be shared.

E. HOW FOREIGN POLICY IS INFLUENCED

Standard	Concepts and Competencies	Supportive Practices
5.4 1.E **Explain how a classroom community reaches compromise.**	**The learner will:** • Practice making compromises with adult support. • Participate in classroom experiences that involve compromise. • Role-play reaching compromise with peers. • Participate in group decision-making and consensus building. • Work cooperatively with other children to achieve an outcome. • Demonstrate acceptance of final consensus.	**The adult will:** • Offer opportunities to practice making compromises. • Support students in making a compromise. • Provide text on compromise. • Support students who display difficulty accepting others leadership, or consensus.

Economics

BIG IDEAS: Money can be used to purchase goods and services, or can be saved. People make choices about how to spend money based on different influences.
ESSENTIAL QUESTIONS: How can I use money? What influences the choices I make about spending what I have earned?

6.1 SCARCITY AND CHOICE

A. SCARCITY AND CHOICE

Standard	Concepts and Competencies	Supportive Practices
6.1 1.A **Identify scarcity of resources within the family.**	**The learner will:** • Understand that wants cannot be met all the time. • Identify resources that are scarce within the family. (e.g., time, money, supplies) • Participate in discussions on how limited resources influence a family choice. (e.g., not having enough money to buy something)	**The adult will:** • Talk about times scarcity impacts the choices families make. • Read or tell a story in which a character cannot get something because of limited resources. • Explain how limited choices can lead to conflict.

B. LIMITED RESOURCES

Standard	Concepts and Competencies	Supportive Practices
6.1 1.B **Identify classroom wants and needs.**	**The learner will:** • Distinguish between wants and needs in a classroom setting. • Discuss classroom wants and needs. • List classroom wants and needs for a specific learning activity. • Identify how classroom wants might differ. (e.g., grade, teacher, time of year)	**The adult will:** • Talk about basic items all classrooms need. (e.g., teacher, desks, books, pencils) • Engage students in conversation about classroom wants. • Use graphic organizers to visually represent wants and needs. • Provide opportunities to identify whether classroom items are wants or needs. • Read and discuss books about people who save money to get things they want.

C. OPPORTUNITY COSTS

Standard	Concepts and Competencies	Supportive Practices
6.1 1.C **Identify choice based on needs versus wants.**	**The learner will:** • Make a choice to meet a need. (e.g., sharpen pencil, use restroom) • Identify choices people make based on need. • Describe how people make choices with the money they earn. (e.g., save, spend, or share) • Identify what is given up when making a choice.	**The adult will:** • Talk about choices people make in everyday life and identify what is given up by making the choice. • Engage students in a discussion about how people save, spend, or share their money. • Discuss how these choices require giving something up. (e.g., saving money for later means not being able to buy something you want right now)

D. INCENTIVES AND CHOICE

Standard	Concepts and Competencies	Supportive Practices
6.1 1.D **Identify a choice based on classroom interest.**	**The learner will:** • Participate in discussions on how student and teacher preferences influence classroom choice. (e.g., type of food students like influences snack, teacher liking a certain author influences what books are read) • Make a choice or cast a vote based on preferences.	**The adult will:** Provide opportunities for students to make decisions and choices. (e.g., create a token system, offer choice of books or songs) Model decision-making thought process (think-a-louds). • Engage students in discussions about times teachers, students, and classrooms make choices. • Support students in accepting the consequences of their choices.

6.2 MARKETS AND ECONOMIC SYSTEMS

A. GOODS AND SERVICES

Standard	Concepts and Competencies	Supportive Practices
6.2 1.A **Identify goods, consumers, and producers.**	**The learner will:** • Identify and define goods. (e.g., classroom or at home) • Identify and define consumers. (e.g., person who purchases goods and services for personal use) • Describe self as a consumer, and identify what goods they consume.	**The adult will:** • Provide examples of goods. (e.g., discuss who consumes each) • Support students in listing goods used. (e.g., classroom or home) • Prompt students to identify consumers of specific goods. (e.g., families with babies buy diapers, carpenters buy nails) • Talk about how goods are distributed. (e.g., trucks, trains)

C. ADVERTISING AND MEDIA

Standard	Concepts and Competencies	Supportive Practices
6.2 1.C **Identify advertisements that encourage us to buy things on want rather than need.**	**The learner will:** • Define an advertisement. • State that advertisements encourage us to purchase goods or services. • Recognize advertisements. (e.g., magazines, TV, in the environment)	**The adult will:** • Show examples of commercials (e.g., on TV, billboards) that encourage us to purchase things. • Provide advertisements (e.g., magazines, newspapers, TV) for students to identify. • Talk about the purposes of advertisements and encourage students to think about them in terms of wants or needs. • Refer to current popular trend in toys or popular games and identify how advertisements influence the purchase of goods and services. • Read and discuss books about advertising.

D. PRICE DETERMINATION

Standard	Concepts and Competencies	Supportive Practices
6.2 1.D **Explain the role of money in determining price.**	**The learner will:** • Identify some coins and paper currency as forms of money. • Discuss how money is exchanged to pay for goods. • Use pretend money or tokens to purchase items.	**The adult will:** Develop a classroom store where students have the opportunity to make purchases from a selection of items. • Explain how money is the medium of exchange for most goods and services. • Discuss names of coins and currency. • Discuss values of currency and which are worth more/less.

E. ECONOMIC HEALTH

Standard	Concepts and Competencies	Supportive Practices
6.2 1.E **Identify the impact on a community when a business opens.**	**The learner will:** • Research and discuss new businesses within the local community. • Brainstorm effects of the new business on the community. (e.g., job creation, availability of goods or services)	**The adult will:** • Provide opportunities to research new businesses within the local community. • Facilitate discussions on the benefits or drawbacks of new businesses within the local community. • Invite a new local business owner as a guest speaker to discuss how the community and the business interact.

G. ECONOMIC SYSTEMS

Standard	Concepts and Competencies	Supportive Practices
6.2 1.G **Define an economic system at the individual level.**	**The learner will:** • Participate in discussions on economic systems. • Participate in discussions on the benefits of an economic system. • Identify quantities of goods vary depending on demand and consumption.	**The adult will:** • Facilitate discussions on economic systems and the benefits and potential challenges of such systems. • As materials are distributed for learning events, dialog how items used frequently (demand) may diminish over time versus those seldom used. • Create settings and events for students to experience high demand (consumption) and limited goods versus low demand and plentiful goods.

6.3 FUNCTIONS OF GOVERNMENT

A. GOODS AND SERVICES

Standard	Concepts and Competencies	Supportive Practices
6.3 1.A **Identify examples of goods and services.**	**The learner will:** • Describe goods and services consumed. (e.g., self or family) • Identify a local business and the good or service they provide.	**The adult will:** • Describe and discuss local businesses.. • Create a KWL chart with information about local businesses. • Use visual graphics to compare and contrast goods and services provided by local businesses. • Invite a local business owner as a guest speaker to talk about the goods or services provided.

D. GOVERNMENT'S ROLE IN INTERNATIONAL TRADE

Standard	Concepts and Competencies	Supportive Practices
6.3 1.D **Identify products produced in the United States.**	**The learner will:** • Participate in discussions about products that are made in the United States. • Participate in discussions of products that are made in other countries. • Brainstorm why products made in other countries are found in the United States.	**The adult will:** • Introduce the "Made in the USA" logo. • Facilitate discussions on products that are made in the United States and those made in other countries. • Use questioning strategies to explore why products made in other countries are found in the United States. (e.g., hot tropical climate—coffee beans)

6.4 ECONOMIC INDEPENDENCE

A. SPECIALIZATION

Standard	Concepts and Competencies	Supportive Practices
6.4 1.A **Identify specialization of work in the community.**	**The learner will:** • Describe how people in the community perform specialized services. (e.g., work done by postal workers is different from bankers) • Compare stores that specialize in selling certain goods. (e.g., video game store versus department store)	**The adult will:** • Provide a list of local businesses for students to describe and compare the goods and services provided by each. • Share examples of businesses that specialize in a specific good. • Provide literature that highlights characters specializing in a good or service.

D. FACTORS CONTRIBUTING TO ECONOMIC INTERDEPENDENCE

Standard	Concepts and Competencies	Supportive Practices
6.4 1.D **Describe how individuals differ in their wants and needs and why people buy and sell things.**	**The learner will:** • Make connections between the needs and wants of buyers and the choices producers make in meeting those needs. • Identify a want or need people have and brainstorm a new invention or service to help meet the need.	**The adult will:** • Provide opportunities to brainstorm and create a new invention to help a need or want. • Read fiction and nonfiction books about entrepreneurs and inventors. • Use cause-and-effect charts to explain how consumer needs and wants influence the production of goods and services. • Discuss businesses in the area and why some get more economic activity than others.

6.5 INCOME, PROFIT, AND WEALTH

A. FACTORS INFLUENCING WAGES

Standard	Concepts and Competencies	Supportive Practices
6.5 1.A **Identify individuals in the community who work for wages.**	**The learner will:** • Make the connection between earning and spending money. • List reasons people work. • Understand that money cannot be spent until it is earned. • Describe ways individuals use money that is earned. (e.g., buy wants, needs) • Brainstorm who earns money. • Identify people who are paid wages over time for producing goods and services. • Determine that wages are payment for work done in providing a good or service (a job).	**The adult will:** • Brainstorm why people work. (e.g., teachers, family member) • Discuss how wages provide income for families to use to meet their wants and needs. • Reinforce the connection between earning, spending, and saving money. • Create cause-and-effect charts showing the relationship between earning and spending money. • Provide opportunities to explore how much work someone would need to do to earn enough money to purchase a want.

B. LABOR PRODUCTIVITY

Standard	Concepts and Competencies	Supportive Practices
6.5 1.B **Identify different jobs and the purpose of each.**	**The learner will:** • Identify different jobs found locally (e.g. grocery store, gas station, hospital) • Identify the goods or services produced in the jobs found locally • Participate in discussions on the roles each of these jobs play in contributing to the community • Identify interest in a local job.	**The adult will:** Provide opportunities to explore job types, roles, and purposes within the community. Read fiction and nonfiction books about entrepreneurs and inventors. Invite a variety of businesses as guest speakers. (e.g., talk about jobs, roles, and purposes) Read fiction and nonfiction books about entrepreneurs and inventors. • Provide text on various jobs found locally.

C. TYPES OF BUSINESSES

Standard	Concepts and Competencies	Supportive Practices
6.5 1.C **Identify businesses and their corresponding goods and services.**	**The learner will:** • Categorize local businesses by their industry. (e.g., retail, travel, health services) • Identify goods and services provided by local businesses. • Brainstorm a new business for the local community.	**The adult will:** • Use a map of the community and identify local businesses. • Review a phone book or online directory to see categories of businesses. • Offer opportunities to brainstorm new business for the local community.

D. PROFITS AND LOSSES

Standard	Concepts and Competencies	Supportive Practices
6.5 1.D **Identify ways to earn money.**	**The learner will:** • Identify how money is saved at home. • Provide ideas for ways they can earn a wage by producing a good or service. • Practice saving. (e.g., token system within the classroom) • Describe factors that influence whether or not people save money and how much.	**The adult will:** • Read and discuss books with characters that save money. • Brainstorm reasons people save money. • Provide opportunities to save. (e.g., token system within the classroom) • Provide examples of earning a wage and spending for wants and needs.

E. DISTRIBUTION OF WEALTH

Standard	Concepts and Competencies	Supportive Practices
6.5 1.E **Describe what tools (tangible assets) are necessary to complete a task.**	**The learner will:** • Identify items/tools/materials needed to complete a given task. • Identify strengths when completing a task. • Identify items needed to complete a given task. • Identify character traits that make people likely to be able to complete certain tasks.	**The adult will:** Provide opportunities to students to organize/gather items needed to complete a task. Acknowledge students' strengths when completing a task. Provide opportunities to state items needed to complete a task. Discuss the importance of positive character traits (e.g., perseverance, organization) on one's ability to perform tasks.

F. ENTREPRENEURSHIP

Standard	Concepts and Competencies	Supportive Practices
6.5 1.F **Identify buyers and sellers (people) who buy and sell things.**	**The learner will:** • Participate in buying and selling. (e.g., token system, trade) • Identify characteristics of buying. • Identify characteristics of selling.	**The adult will:** • Provide opportunities to buy and sell. (e.g., token system, class store) • Facilitate discussions on buying and selling. (e.g., exchange of money, gain or loss of something)

G. COSTS AND BENEFITS OF SAVING

Standard	Concepts and Competencies	Supportive Practices
6.5 1.G **Explain the need to save money.**	**The learner will:** • Explain the connection between earning, saving, and spending money. • Identify something purchased through saving money. (e.g., game, toy)	**The adult will:** • Facilitate discussions on earning and saving money. (e.g., benefits, challenges) • Talk about how people save money towards a goal. • Make literature connections with story characters who are savers or spenders, patient or impulsive.

Geography

BIG IDEA: Location can be represented using a variety of tools.
ESSENTIAL QUESTIONS: What tools help me to understand the location of places and things? How can I represent the location of places and things?

7.1 BASIC GEOGRAPHIC LITERACY

A. GEOGRAPHIC TOOLS

Standard	Concepts and Competencies	Supportive Practices
7.1 1.A **Identify geographic tools.**	**The learner will:** • Identify a map and globe and describe purpose. • Identify and interpret the key for map/globe. • Compare and contrast a map and a globe. • Know that landforms and bodies of water are represented differently on geographic tools. • Use geographic terms to describe and find places.	**The adult will:** • Display a map and describe the main features. (e.g., title, legend, compass rose) • Display a globe highlighting land and water features. • Facilitate discussions on how people use geographic tools to describe and find locations and places. • Provide a map where students color the pre-labeled continents and oceans.

B. LOCATION OF PLACES AND REGIONS

Standard	Concepts and Competencies	Supportive Practices
7.1 1.B **Describe places in geographic reference in physical features.**	**The learner will:** • Describe the purpose of a compass rose. • Identify cardinal directions. • Locate Pennsylvania on a map of the United States in relation to its surrounding states. • Know there are seven continents and four oceans. • Know their continent, country, state, town, and address. • Identify and interpret the features of a map.	**The adult will:** • Model and give examples of spatial directions for location identification. • Post cardinal directions in the classroom. • Read fiction or nonfiction books that reinforce map skills. • Provide opportunities to locate and describe a variety of locations.

7.2 PHYSICAL CHARACTERISTICS OF PLACES AND REGIONS

A. PHYSICAL CHARACTERISTICS

Standard	Concepts and Competencies	Supportive Practices
7.2 1.A **Identify physical characteristics in the community and region.**	**The learner will:** • Differentiate between natural and man-made physical characteristics. (e.g., natural—forests, mountains, rivers, oceans; man-made—buildings, roads, bridges) • Sort pictures by man-made and natural origin.	**The adult will:** • Define natural physical characteristics and give examples. • Define man-made physical characteristics and give examples. • Create sorting activities using man-made and natural physical characteristics found in the community.

B. PHYSICAL PROCESSES

Standard	Concepts and Competencies	Supportive Practices
7.2 1.B **Identify the basic physical processes that affect the physical characteristics of places.**	**The learner will:** • Explain why various areas of the community are located where they are. • Describe how weather effects the local community.	**The adult will:** • Provide photographs to reinforce understanding. (e.g., physical processes affecting physical characteristics of places) • Discuss how weather impacts the school, individual families, and the community. • Create a cause-and-effect activity that allows students to show understanding of how weather effects the community.

7.3 HUMAN CHARACTERISTICS OF PLACES AND REGIONS

A. HUMAN CHARACTERISTICS

Standard	Concepts and Competencies	Supportive Practices
7.3 1.A **Identify the local climate and how it determines the way people live.**	**The learner will:** • Identify activities that occur during each season. • Identify what is given up/gained during a season. (e.g., no swimming in winter but sledding) • Compare and contrast types of activities occurring in different seasons. • Explain why certain activities can only take place during a certain season. • Explain how the climate/weather in the community impacts their interactions with others.	**The adult will:** • Review the four seasons. • Facilitate discussions on similarities and differences of the seasons. • Offer opportunities to draw and label the seasons and typical activities of the seasons. • Dialog with students on the impact of the weather on their activities, dress, and homes. • Read fiction books that show the people engaged in seasonal activities.

7.4 INTERACTIONS BETWEEN PEOPLE AND THE ENVIRONMENT

A. IMPACT OF PHYSICAL SYSTEMS ON PEOPLE

Standard	Concepts and Competencies	Supportive Practices
7.4 1.A **Describe how lakes, rivers, and streams impact people.**	**The learner will:** • Identify ways that people use lakes, rivers, and streams. • Identify ways that lakes, rivers, and streams affect how people live. • Identify various areas in the community as places where people live, work, and play because of the physical features. • Draw a picture of a positive and negative effect of rivers, lakes, and streams.	**The adult will:** • Read fiction/nonfiction books that show the positive and negative effects of lakes, rivers, and streams. • Display pictures that depict people using lakes, rivers, and streams. • Display pictures that show the negative effect of rivers, lakes, and streams. (e.g., flooding) • Provide literature with characters using various water sources for transportation or determining location of homes, businesses, or recreation sites.

History

BIG IDEA: Past experiences and ideas help us make sense of the world.
ESSENTIAL QUESTIONS: In what ways can events be sequenced? How do I use past experiences and events to understand the present?

8.1 HISTORICAL ANALYSIS AND SKILLS DEVELOPMENT

A. CONTINUITY AND CHANGE OVER TIME

Standard	Concepts and Competencies	Supportive Practices
8.1 1.A **Demonstrate an understanding of chronology.**	**The learner will:** • Use correct phrases related to time. (e.g., now, yesterday, tomorrow) • Sequence a series of events either from personal experience or from literature. • Participate in daily calendar activities and discuss past, present, and future events. • Develop a timeline of own life (e.g., photographs, drawings, brief descriptions) • Compare children today to those in the past. (e.g. Pilgrim)	**The adult will:** • Define timeline. • Create a timeline of the school day. • Illustrate how various timelines can be used and what they represent. • Provide text (e.g., literature and informational) that depicts chronology. • Provide photographs or artifacts of classroom/community events for sequencing. • Practice past, present, and future time with a classroom schedule. • Create a classroom memory book in chronological order with student narratives, artifacts, pictures, etc.

B. FACT/OPINION AND POINTS OF VIEW

Standard	Concepts and Competencies	Supportive Practices
8.1 1.B **Identify a problem or dilemma surrounding an event.**	**The learner will:** • Practice identifying a problem or dilemma within the school day. (e.g., not enough chocolate milk at lunch) • Discuss the problem or dilemma. • Identify how we know there is a dilemma or problem during an event.	**The adult will:** • Provide opportunities to identify a problem or dilemma. (e.g., classroom, school, home) • Brainstorm solutions to the problem or dilemma. • Discuss how to recognize a problem or dilemma. • Provide literature with characters who have different points of view.

C. RESEARCH

Standard	Concepts and Competencies	Supportive Practices
8.1 1.C **Identify sources of historical information.**	**The learner will:** • Identify where to find information about the past. (e.g., book, computer) • Use books, computers, and other sources to get information about a topic.	**The adult will:** • Expose students to various historical sources. (e.g., artifacts, letters, maps, photographs, newspapers) • Brainstorm ways to locate information about the past. • Model obtaining information from various sources.

8.2 PENNSYLVANIA HISTORY

A. CONTRIBUTIONS OF INDIVIDUALS AND GROUPS (PA)

Standard	Concepts and Competencies	Supportive Practices
8.2 1.A **Identify groups of people who contribute to a community.**	**The learner will:** • Identify groups of people who contribute to the interactions of daily life in the community. (e.g., Rotary, Kiwanis) • Participate in discussions on how these groups affect the community. (e.g., service, volunteer) • Identify groups or individuals that support a community over time.	**The adult will:** • Provide opportunities to research groups of people found within the community. • Invite a group member as a guest speaker. (e.g., discuss mission, community contributions) • Provide explanations and examples of social networks within the school community. • Provide examples of volunteers, public offices, and other members of the community who support the classroom community.

B. HISTORICAL DOCUMENTS, ARTIFACTS, AND PLACES (PA)

Standard	Concepts and Competencies	Supportive Practices
8.2 1.B **Identify symbols, slogans, or mottos that are representative of the state.**	**The learner will:** • Research and identify the state motto. • Research and identify symbols and slogans that are common in Pennsylvania. (e.g., local, regional)	**The adult will:** • Provide opportunities to research slogans, mottos, and symbols known in Pennsylvania. (e.g., local, regional) • Provide text that highlights examples of common state symbols. (e.g., Liberty Bell) • Collect and display photographs, artifacts, documents, and items from events in the community or state. • Explain how the collection of items from events document a story over time.

C. IMPACT OF CONTINUITY AND CHANGE ON PA HISTORY

Standard	Concepts and Competencies	Supportive Practices
8.2 1.C **Identify holiday and cultural celebrations in a community and why they are celebrated.**	**The learner will:** • Discuss how the local community celebrates. (e.g., fairs, fireworks) • Compare family customs and traditions. • Depict and present own family culture. (e.g., drawing, photographs, writing) • Celebrate events or successes in a variety of ways.	**The adult will:** • Define holiday, celebration. • Explore the cultural diversity of the local community. (e.g., identify activities that introduced by different cultural groups) • Provide opportunities to research local celebrations. • Provide text on cultural celebrations. • Encourage students to share own family culture with peers. • Explore with students the cultural diversity of their local community by identifying activities that have been introduced by different cultural groups.

D. CONFLICT AND COOPERATION (PA)

Standard	Concepts and Competencies	Supportive Practices
8.2 1.D **Identify historical conflict in the community.**	**The learner will:** • Participate in discussions on the historical past of the community. (e.g., industry no longer present) • Brainstorm how the historical past affects the community now. (e.g., community is smaller)	**The adult will:** • Provide opportunity to research the historical past of the community. (e.g., computer, books) • Invite a historian to share past events that shape the current community.

8.3 UNITED STATES HISTORY

A. CONTRIBUTIONS OF INDIVIDUALS AND GROUPS (U.S.)

Standard	Concepts and Competencies	Supportive Practices
8.3 1.A **Identify Americans who played a significant role in American history.**	**The learner will:** • Participate in discussions on historical Americans. • Research and identify historical Americans.	**The adult will:** • Read text about historical Americans. • Facilitate discussions on historical Americans. • Invite a local historian as a guest speaker.

B. HISTORICAL DOCUMENTS, ARTIFACTS, AND PLACES (U.S.)

Standard	Concepts and Competencies	Supportive Practices
8.3 1.B **Identify American landmarks and their significance.**	**The learner will:** • Identify monuments/artifacts/ landmarks associated with the group, individual, or event being celebrated/ honored in the classroom and the school community. • Understand the United States has patriotic symbols and traditions. • Brainstorm why landmarks are important. • Participate in discussions on American landmarks and their significance.	**The adult will:** • Facilitate activities demonstrating how a monument/artifact/ landmark serves as a reminder of the event or group or individual being celebrated. • Define the term landmark. • Provide opportunities with literature and informational text. • Facilitate discussions on American landmarks and their significance.

C. IMPACT OF CONTINUITY AND CHANGE ON U.S. HISTORY

Standard	Concepts and Competencies	Supportive Practices
8.3 1.C **Identify examples of change.**	**The learner will:** • Identify things that change. (e.g., seasons, time) • Research and identify change. (e.g., local, state) • Examine families of the past and compare to families today. • Give examples of change over time.	**The adult will:** • Provide opportunities to research and discuss change. (e.g., local, state) • Provide opportunities to discuss individual change. (e.g., height, weight) • Dialog with students concerning events that happen over time. • Assist students in identifying the small or large changes that happened over time. • At end of an event, day, week, grading period, review the order of events and occurrences that happened in the school or classroom community.

D. CONFLICT AND COOPERATION (U.S.)

Standard	Concepts and Competencies	Supportive Practices
8.3 1.D **Identify conflict and describe ways to cooperate with others by making smart choices.**	**The learner will:** • Identify what makes a conflict. (e.g., disagreement) • Brainstorm ways to resolve conflict. (e.g., each party is heard, compromise made) • Participate in role-playing conflict and cooperation.	**The adult will:** • Define conflict. • Describe, discuss, and demonstrate appropriate social skills necessary for working in a cooperative group. (e.g., sharing concerns, caring, and respect among group members) • Use questions to enhance and expand thinking about conflict and cooperation. • Provide opportunities to role-play various conflicts.

8.4 WORLD HISTORY

A. CONTRIBUTIONS OF INDIVIDUALS AND GROUPS (WORLD)

Standard	Concepts and Competencies	Supportive Practices
8.4 1.A **Explain why cultures celebrate.**	**The learner will:** • Identify reasons to celebrate. (e.g., birthday, good grades) • Share how own family celebrates certain events. • Compare and contrast own celebrations to those of peers. • Celebrate events or successes in a variety of ways.	**The adult will:** • Explain that Americans have a variety of different religious, community, and family celebrations and customs. • Describe celebrations and customs held by members of the class and their families. • Invite family members to share cultural celebrations with class. • Support students in celebrating personal and class success. • Explore with students the cultural diversity of their local community by identifying activities that have been introduced by different cultural groups.

B. HISTORICAL DOCUMENTS, ARTIFACTS, AND PLACES (WORLD)

Standard	Concepts and Competencies	Supportive Practices
8.4 1.B **Explain the importance of world landmarks.**	**The learner will:** • Identify what it means to be a landmark. • Brainstorm why landmarks around the world are important. • Research and identify world landmarks.	**The adult will:** • Facilitate activities demonstrating how the monument/artifact/landmark serves as a reminder of the event, group, or individual being celebrated. • Define the term landmark. • Identify and describe well-known sites, events, or landmarks in at least three different countries from which students' families come. • Use photographs to aid in student understanding.

C. IMPACT OF CONTINUITY AND CHANGE ON WORLD HISTORY

Standard	Concepts and Competencies	Supportive Practices
8.4 1.C **Identify holidays and ceremonies of selected world cultures.**	**The learner will:** • Research and identify holidays and ceremonies for a particular culture. • Compare and contrast holidays and ceremonies for two cultures.	**The adult will:** • Define the term holiday. • Read nonfiction books on holidays/ceremonies of other cultures. • Provide opportunities to compare and contrast holidays and ceremonies. • Explore with students the cultural diversity of the world by identifying activities/celebrations that have been introduced by different international cultures.

D. CONFLICT AND COOPERATION (WORLD)

Standard	Concepts and Competencies	Supportive Practices
8.4 1.D **Describe examples of conflict and cooperation in the classroom community.**	**The learner will:** • Identify what conflict in the classroom looks like. (e.g., not working with peers) • Identify what cooperation in the classroom looks like. (e.g., talking with each other, working together, accomplishing a task) • Brainstorm potential classroom conflicts.	**The adult will:** • Provide opportunities to identify potential problems or conflicts in everyday events. • Brainstorm how different reactions can make a conflict better or worse. • Facilitate discussions on the decision-making process for resolving (rather than escalating) a conflict.

Social Studies Thinking Glossary

CIVICS AND GOVERNMENT

Authority—Right to control or direct the actions of others, legitimized by law, morality, custom, or consent.

Citizen—Member of a political society who therefore owes allegiance to and is entitled to protection by and from the government.

Civic Rights—The rights belonging to an individual by virtue of citizenship.

Community—A group of people who share a common social, historical, regional, or cultural heritage.

Conflict—Inherent incompatibility between two or more people or two or more choices.

Conflict Resolution—Process by which issues arising from a disagreement or clash between ideas, principles, or people are settled.

Country—The acceptable political boundaries or borders recognized throughout the world.

Decision-Making Process—An organized approach to making choices.

Government—Institutions and procedures through which a territory and its people are ruled.

Law—The system of rules that a particular country or community recognizes as regulating the actions of its members.

Leadership—State or condition of one who guides or governs.

Public Service—Community service; a service that is performed for the benefit of the public.

State—A commonwealth; a nation; a civil power.

ECONOMICS

Community Helpers—Any group or individual who plays a role in the community such as doctors, nurses, dentists, teachers, parents, firefighters, police officers, trash collectors, animal control officers.

Competition—The rivalry among people and/or business firms for resources and/or consumers.

Consumer—One who buys or rents goods or services and uses them.

Cost—What is given up when a choice is made; monetary and/or non-monetary.

Demand—The different quantities of a resource, good, or service that potential buyers are willing and able to purchase at various prices during a specific time period.

Goods—Objects that can satisfy people's wants.

Household—The group of people living together under one roof; a group of individuals whose economic decision-making is interrelated.

Money—A medium of exchange.

Natural Resource—Anything found in nature that can be used to produce a product. (e.g., land, water, coal)

Price—The amount people pay in exchange for a particular good or service.

Producer—One who makes goods.

Profit—Total revenue minus total costs.

Scarcity—A small and inadequate amount.

Services—Actions that are valued by others.

Supply—The different quantities of a resource, good, or service that potential sellers are willing and able to sell at various prices during a specific time period.

Wage—A fixed regular payment, typically paid on a daily or weekly basis by an employer.

Wants—Desires that can be satisfied by consuming goods, services, or leisure activities.

GEOGRAPHY

Climate—Long-term patterns and trends in weather elements and atmospheric conditions.

Culture—The way of life of a group of people, including customs, beliefs, arts, institutions, and worldview. Culture is acquired through many means and is always changing.

Environment—Everything in and on earth's surface and its atmosphere within which organisms, communities, or objects exist.

Geographic Tools—Tools used by geographers to organize and interpret information. Tools range from the very simple (maps and globes) to the complex (Geographic Information Systems, population pyramids, satellite images, and climate graphs).

Place—An area with distinctive human and physical characteristics; these characteristics give it meaning and character and distinguish it from other areas.

Resource—An aspect of the physical environment that people value and use to meet a need for fuel, food, industrial product, or something else of value.

HISTORY

Document—A formal piece of writing that provides information or acts as a record of events or arrangements.

Media Sources—Various forms of mass communication such as television, radio, magazines, newspapers, and Internet.

Creative Thinking and Expression

Communicating through the Arts

9.1.M Production and Performance – Music and Movement

9.1.D Production and Performance – Dramatic and Performance Play

9.1.V Production and Performance – Visual Arts

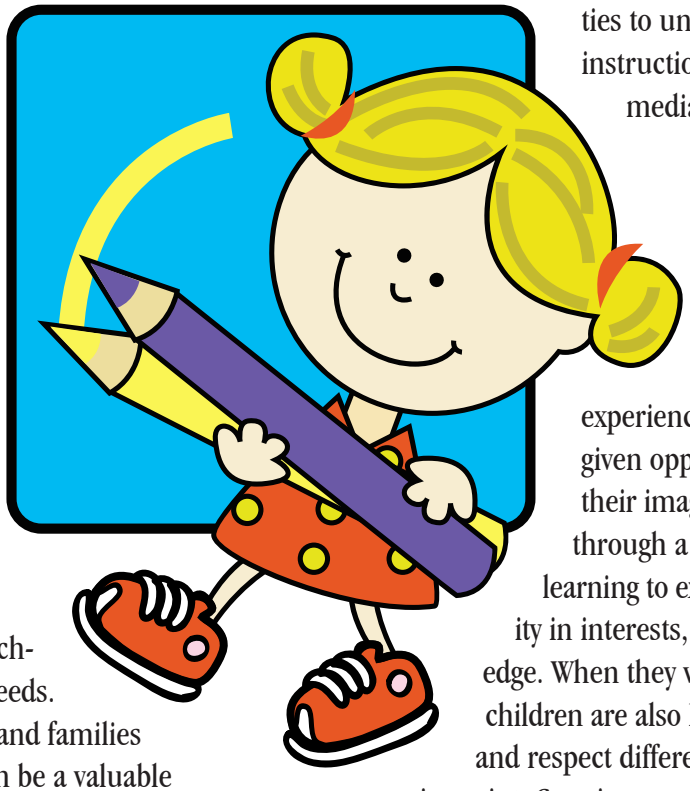
9.2 Historical and Cultural Context of Works of Art

9.3 Critical Response to Works of Art

9.4 Aesthetic Response to Works of Art

Digital Media Literacy

Media literacy includes competencies that enable people to analyze, evaluate, and create messages in a variety of forms. Children today are growing up in a digital age and are faced with increasingly new types of digital media and technology. Some current examples include electronic tablets, computers, digital cameras, video recorders, and a variety of assistive technologies for children with special needs. It is the responsibility of educators and families to understand that digital media can be a valuable instructional tool when used appropriately. Appropriate media use should not replace concrete experiences and personal interactions, but can be used to extend play and interactions. For example, use of video conferences can be used during the school day to connect a parent with his/her child. Educators and families are encouraged to engage in professional development opportunities to understand the role and instructional uses of digital media.



Creative thinking and expression is an important component of children's early learning experiences. Children who are given opportunities to develop their imagination and creativity through a variety of media are learning to express their individuality in interests, abilities, and knowledge. When they view others' work, children are also learning to appreciate and respect differences in culture and viewpoint. Creative expression influences children's growing competence as creative problem-solvers and provides insight about their world around them. Teachers support creative learning by providing concrete, process-oriented play experiences that encourage children to use their imagination and to experiment with new ideas and materials.

9.1.M Production and Performance – Music and Movement

BIG IDEA: Music can be used to express and initiate aesthetic and physical responses.
ESSENTIAL QUESTION: How can I express my thoughts, feelings, and ideas through music and movement?

A. ELEMENTS AND PRINCIPLES

Standard	Concepts and Competencies	Supportive Practices
9.1.M 1.A **Know and use basic elements and principles of music and movement.**	**The learner will:** • Explore rhythms in different forms of music and dance. • Explore rhythm instruments. • Use rhythm instruments as intended. • Participate in music and movement activities. • Participate in group movement activities demonstrating an awareness of shared space. • Demonstrate an understanding of "fast," "slow," "loud," and "soft."	**The adult will:** • Explicitly use vocabulary for elements and principles of music and movement. (e.g., rhythm, space, tempo, pitch) • Model appropriate use of instruments. • Call attention to the changes in music as students are listening. • Provide experiences through large and small group activities that focus on movement elements and principles. • Include music vocabulary. (e.g., high/low, up/down, fast/slow, short/long)

B. DEMONSTRATION

Standard	Concepts and Competencies	Supportive Practices
9.1.M 1.B **Perform different forms of music and dance.**	**The learner will:** • Perform movement with kinesthetic awareness (e.g., know the body moves) and concentration. • Describe actions while responding to music. • Move to various sounds, including rhythmic accompaniment, and respond to changes in tempo. • Use gestures while responding to music.	**The adult will:** • Play a variety of music types for listening and participation. • Introduce students to a variety of songs, finger plays, and rhythms. • Encourage students to discuss experiences. • Provide large and small group activities that focus on movement and music participation. • Provide props to use when dancing. (e.g., ribbons, hoops, sticks) • Provide a dedicated place and time to explore music. • Provide opportunities to experience performance. (e.g., real or virtual) • Discuss and model appropriate audience behavior. • Provide opportunities to warm up and practice prior to performing.

E. REPRESENTATION

Standard	Concepts and Competencies	Supportive Practices
9.1.M 1.E **Use imagination and creativity to perform music and dance.**	**The learner will:** • Improvise songs and rhythmic patterns. • Change words or tune of familiar songs to make new songs. • Use body to represent form in space, finger plays, or stories. • Work with partner or others to represent form in space. • Use improvisation to explore and create movement ideas. • Create and perform a dance by self or with a partner based on a theme or idea.	**The adult will:** Create situations where students can role-play familiar roles or situations. (e.g., home living, grocery store, restaurants) Ask open-ended questions to extend students' knowledge of the meanings of various types of plays. • Create opportunities to express through a variety of music forms, dance, or body movements. • Encourage students to be creative during singing by changing words and song endings. • Provide props to use when dancing. (e.g., ribbons, hoops, sticks) • Demonstrate movement using time, space, and locomotion. • Provide various objects that can be used to represent sound. (e.g., wooden bowls, metal spoons) • Provide space for performing improvised dance. • Discuss and model appropriate audience behavior.

J. TECHNOLOGIES

Standard	Concepts and Competencies	Supportive Practices
9.1.M 1.J **Use a variety of technologies for producing or performing works of art.**	**The learner will:** • Explore musical instruments. • Use instruments to accompany music. • Use instruments to demonstrate the melody of a song. • Use age-appropriate digital media applications to create music. • Use a variety of props to enhance movement activities. (e.g., scarves, beanbags, ribbons) • Use recording devices (e.g., voice recorder, video recorder) to capture music and/or movement performances.	**The adult will:** Provide guidance during digital media application exploration. • Provide opportunities to explore a variety of musical instruments. • Provide a variety of props for musical expression and movement. • Engage a local expert (e.g., high school music student, college professor, musician, dance instructor) as a guest speaker. • Demonstrate use of technologies in music.

9.1.D Production and Performance – Dramatic and Performance Play

BIG IDEA: Dramatic and performance play is a way to act out reality and fantasy.
ESSENTIAL QUESTION: How can I express my thoughts, feelings, and ideas through dramatic play?

B. DEMONSTRATION

Standard	Concepts and Competencies	Supportive Practices
9.1.D 1.B **Recreate a familiar story individually or cooperatively for an audience.**	**The learner will:** • Create various voice inflections and facial expressions in play. • Change voice inflections when recreating various characters. • Direct peers or follow peers' instructions about dramatic play schemes. • Use vocabulary to discuss play activities. (e.g., character, role, setting, story) • Participate in rehearsals and practice sessions. • View and discuss recordings of rehearsals and practice sessions.	**The adult will:** • Model the use of various voice inflections and facial expressions during read-aloud. • Provide props and costumes associated with favorite stories. • Develop teacher-guided dramatic activities. (e.g., acting out a story, performing a short play for a special event) • Use appropriate vocabulary as students create plays and performances. • Provide opportunities to create, rehearse, and perform simple improvised dramas. • Discuss and model appropriate audience behavior. • Record rehearsals and encourage students to discuss performance. • Provide cross-curricular connections with dramatic play.

E. REPRESENTATION

Standard	Concepts and Competencies	Supportive Practices
9.1.D 1.E **Use imagination and creativity to express self through dramatic play.**	**The learner will:** • Use nonconforming objects to create representations of real-life objects or activities for use in dramatic play. • Represent real-life experiences through pretend play. • Imitate roles of people, animals, or objects observed in life experiences. • Use props and costumes during dramatic play. • Use appropriate tone, actions, and speech to represent characters, setting, and plot in a play.	**The adult will:** • Ask open-ended questions to extend student's play in new directions. • Provide clothing, materials, and props that facilitate pretend play. • Provide dramatic play opportunities both indoors and outdoors. • Create situations where students can role-play familiar roles or situations. (e.g., home living, grocery store, restaurants) • Label specific emotions in students' pretend play. (e.g., "You are frustrated.") • Identify themes or emotions in stories and in real-life situations and encourage students to imitate those scenarios.

9.1.V Production and Performance – Visual Arts

BIG IDEA: Visual arts allow expression of interests, abilities, and knowledge.
ESSENTIAL QUESTION: How can I express my thoughts, feelings, and ideas through visual arts?

A. ELEMENTS AND PRINCIPLES

Standard	Concepts and Competencies	Supportive Practices
9.1.V 1.A **Know and use basic elements of visual arts.**	**The learner will:** • Participate in visual arts activities. • Demonstrate an understanding of "color," "shape," "line," "tone," and "hue." • Create a work of art using different media and materials. • Use paints to create new shades and colors. • Begin using detail when creating a work of art.	**The adult will:** - Explicitly use vocabulary for elements of visual arts. (e.g., color, shape, line) - Provide a variety of art materials. • Model appropriate use of art materials. • Point out basic elements of visual arts in a variety of artwork. • Provide experiences through large and small group activities that focus on the elements of visual arts.

B. DEMONSTRATION

Standard	Concepts and Competencies	Supportive Practices
9.1.V 1.B **Create works of art and identify art materials, techniques, and processes.**	**The learner will:** • Participate in visual arts activities. • Use a variety of materials. (e.g., chalk, paint, crayons, pencils, markers, wood, playdough) • Identify color, texture, form, line, size, and patterns in nature and in the human-made environment. • Draw to explore and extend themes in the classroom. • Create simple sculptures using clay and various tools to create texture. • Use paints to create new shades and colors.	**The adult will:** - Provide a variety of art materials. - Rotate art materials to provide a variety of experiences. - Use appropriate art vocabulary. (e.g., color, texture, form, line, size, pattern) - Allow for individual or group projects to extend over several days. - Display students' artwork. • Provide opportunities to use three-dimensional materials. (e.g., clay, playdough, wood)

E. REPRESENTATION

Standard	Concepts and Competencies	Supportive Practices
9.1.V 1.E **Use imagination and creativity to express self through visual arts.**	**The learner will:** • Participate in visual arts activities. • Draw self-portraits. • Create a work of art to represent a real or imagined object, animal, or person. • Use a growing number of details and make more realistic representations. • Choose different art materials to represent different types of thoughts or feelings. • Create pictures that define mood. • Recognize and discuss own and others' artwork using appropriate vocabulary. (e.g., color, shape, line, texture)	**The adult will:** - Allow for individual or group projects to extend over several days. - Relate art activities to other classroom experiences. • Provide a variety of art materials. • Rotate art materials to provide a variety of experiences. • Provide multicultural art materials for use in self-representation. • Encourage students to use materials for individual expression of feelings or thoughts. • Encourage students to talk about their artwork. • Display student's artwork.

J. TECHNOLOGIES

Standard	Concepts and Competencies	Supportive Practices
9.1.V 1.J **Use a variety of technologies for producing works of art.**	**The learner will:** • Explore a variety of art materials and tools. • Participate in visual arts activities. • Manipulate materials in a variety of ways. (e.g., pounding, squeezing, cutting, rolling) • Use age-appropriate digital media applications to create works of art. • Use recording devices (e.g., digital camera, video recorder, iPad) to capture work in progress and finished works of art. • Explore traditional technologies used to create visual arts. (e.g., paper folding, painting, sculpting) • Use contemporary technologies. (e.g., music-writing programs) • Use two- and three-dimensional media and processes to depict art.	**The adult will:** Use recording devices (e.g. digital camera, video recorder, iPad, iPod) to capture and share the creative process and finished works of art. • Model and use a variety of technologies to produce student work (e.g., MP3s, CD player, iPod) • Provide a variety of art materials. • Rotate art materials to provide a variety of experiences. • Provide guidance while using digital media applications. • Engage a local expert (e.g., artist, sculptor, museum curator) as a guest speaker. • Introduce and use traditional and contemporary technology terms as appropriate. • Demonstrate the use of traditional and contemporary technologies in visual arts. • Provide opportunities to experiment with technologies.

9.2 Historical and Cultural Context of Works of Art

BIG IDEA: Every culture has its own art forms.
ESSENTIAL QUESTION: Can I identify instruments and/or art forms from another culture?

D. PERSPECTIVE

Standard	Concepts and Competencies	Supportive Practices
9.2 1.D **Identify the historical and cultural context of works of art.**	**The learner will:** • Explore instruments from different cultures. • Participate in discussions about where various instruments and art forms originate. • Identify cultures represented by various art forms. • Participate in discussions about time periods or cultures relating to works of art. • Begin to use vocabulary appropriate to the time period (e.g., present, past) and culture being discussed in the work of art. • Recognize differences in cultures as represented in works of art.	**The adult will:** • Display works of art from a variety of cultures. • Play many types of music from different eras. • Discuss the cultures represented by art forms and instruments. (e.g., masks—Africa, Japan, Native American; maracas—Spanish) • Read books about a variety of cultures, pointing out similarities and differences in art forms. • Introduce and use vocabulary appropriate to the time period and culture being discussed in the work of art. • Use cross-curricular resources to assist in learning about cultural perspective in the arts. • Lead a discussion of the historical and cultural context of a work of art using appropriate social studies vocabulary. • Provide opportunities to explore works of art from other cultures. (e.g., real or virtual)

9.3 Critical Response to Works of Art

BIG IDEA: People evaluate art based upon a variety of characteristics.
ESSENTIAL QUESTION: Can I explain how I feel about a particular art form? Can I provide reasons that explain my feelings about a particular art form?

F. IDENTIFICATION

Standard	Concepts and Competencies	Supportive Practices
9.3 1.F **Categorize and classify works of art.**	**The learner will:** • Identify works of art. (e.g., photo, painting, drawing, dance, songs) • Name music type using age-appropriate vocabulary. (e.g., drumming, singing) • Categorize and classify works of art based on the materials and processes used in their creation. • Identify the different materials used to create a work of art.	**The adult will:** • Display students' and professional art throughout the classroom. • Discuss the various types and characteristics of works of art. (e.g., photography, painting, dance, performance) • Encourage students to explore and evaluate various works of art. • Take a virtual field trip to explore works of art. (e.g., museum, artist in action)

G. CRITICAL RESPONSE

Standard	Concepts and Competencies	Supportive Practices
9.3 1.G **Compare and contrast the characteristics of works of art.**	**The learner will:** • Provide constructive critiques on the works of others. • Share an opinion about artwork when asked. (e.g., "What do you think this is about?") • Show respect for the response of others to a work of art. • Make comparative statements. (e.g., "I used bright colors just like …" "I can tap dance like …")	**The adult will:** • Provide opportunities for students to work on creative activities in groups or individually. • Model and encourage students to appropriately comment on others' work. • Provide opportunities to explore increasingly more complex art forms throughout the year. • Encourage students to self-critique using simple prompts and suggestions for success. • Lead students in discussion using graphic organizers to compare and contrast works of art.

9.4 Aesthetic Response to Works of Art

BIG IDEA: Artwork can mean different things to different people.
ESSENTIAL QUESTION: How do I express my response to a work of art?

B. EMOTIONAL RESPONSE

Standard	Concepts and Competencies	Supportive Practices
9.4 1.B **Demonstrate and discuss feelings about various works of art.**	**The learner will:** • Respond through body language, facial expression, or oral language. (e.g., humming, swaying, tapping foot) • Respond (e.g., laugh, sigh) at appropriate times to others' performance. • Respond to works of art by communicating feelings. (e.g., "This makes me feel happy because …" "This makes me feel sad because …") • Respond to dramatic performances by communicating feelings about characters and actions. • Actively listen to others' opinions about works of art. • View a work of art and articulate an opinion of its meaning and intent.	**The adult will:** • Encourage students to share how various works of art make them feel. • Display students' and professional art throughout the classroom. • Provide a wide variety of materials. (e.g., art, music, movement, dramatic, performance play) • Model use of appropriate responses to works of art. • Provide works of art (e.g., real or virtual) for viewing and exploration.

Creative Thinking and Expression Glossary

Aesthetics—A branch of philosophy that focuses on the nature of beauty, the nature and value of the arts, and the inquiry processes and human responses they produce.

Aesthetic Response—A philosophical reply to works of art.

Artistic Choices—Selections made by artists to convey meaning.

Arts Resource—An outside community asset. (e.g., performances, exhibitions, performers, artists)

Assess—To analyze and determine the nature and quality of the process/product through means appropriate to the art form.

Community—A group of people who share a common social, historical, regional, or cultural heritage.

Create—To produce works of art using materials, techniques, processes, elements, principles, and analysis.

Culture—The way of life of a particular social, ethnic, or age group of people which includes beliefs, customs, arts, and behaviors.

Elements—Core components that support the principles of the arts.

Genre—A type of category. (e.g., music—opera, oratorio; theater—tragedy, comedy; dance—modern, ballet; visual arts—pastoral, scenes of everyday life)

Humanities—The branch of learning that connects the fine arts, literature, languages, philosophy and cultural science. The humanities are concerned with the understanding and integration of human thought and accomplishment.

Multimedia—The combined use of media, such as movies, CD-ROMs, television, radio, print, and the Internet, for entertainment and publicity.

Original Works of Art—Dance, music, theatre, and visual arts pieces created by performing or visual artists.

Style—A distinctive or characteristic manner or expression.

Technique—Specific skills and details employed by an artist, craftsperson, or performer in the production of works of art.

Timbre—A unique quality of sound.

Visual Arts—Art forms which are primarily visual in nature, such as ceramics, drawing, painting, sculpture.

Health, Wellness, and Physical Development

Learning about My Body

10.1 Concepts of Health

10.2 Healthful Living

10.3 Safety and Injury Prevention

10.4 Physical Activity – Gross Motor Coordination

10.5 Concepts, Principles, and Strategies of Movement – Fine Motor Coordination

Get Up and Move!

Obesity is a growing concern even for very young children. Research indicates that even children are eating inappropriate foods with too many calories. Early childhood settings have a unique opportunity to influence children's healthy eating and physical activity habits. Teachers need to plan adequate opportunities for children to exercise and engage in movement activities including outdoor play. Including active movement games and songs as part of the indoor routine can also extend the amount of time children are exercising each day. Menus must be carefully planned that offer healthy foods and limit snacks and extras, like dessert, to nutritionally-appropriate selections. Adults should work together to introduce and sustain healthy choices and habits influence children's ongoing development and school success.

Teachers should model healthy and safe practices and promote healthy lifestyles for children. In addition, opportunities to experience active indoor and outdoor play in which children use their bodies provide a foundation for lifelong healthy habits. Children's health, safety, and ability to learn are inextricably linked. Health and safety activities, integrated throughout the day, provide a means to support children's cognition.

10.1 Concepts of Health

BIG IDEA: Awareness of health concepts provides a foundation for healthy decision-making.
ESSENTIAL QUESTIONS: Do I have a basic understanding of my body? Can I identify basic health concepts that help my body develop?

B. INTERACTION OF BODY SYSTEMS

Standard	Concepts and Competencies	Supportive Practices
10.1 1.B **Identify and describe functions of basic body parts and organs.**	**The learner will:** • Name and point to organs. • Describe the basic functions of body organs. • Participate in body identification games and songs. (e.g., Hokey Pokey) • Draw pictures that include some body parts. • Participate in discussions about the functions of specific body parts and organs. • Describe functions of basic body parts and organs.	**The adult will:** • Read books about the body organs. • Introduce specific organs and discuss function. (e.g., brain, heart) • Make outline of body and add details to body parts. • Provide experiences that highlight the functions of body parts and organs. (e.g., health care professional to demonstrate a beating heart or virtual experience)

C. NUTRITION

Standard	Concepts and Competencies	Supportive Practices
10.1 1.C **Identify foods that keep our bodies healthy.**	**The learner will:** • Identify healthy and unhealthy foods. • Explain how food provides fuel and energy for the body. • Classify foods by food groups using the *MyPlate* graphic. (e.g., fruits, vegetables, dairy) • Make healthy food choices. • Identify foods to include in specific food groups. • Design a meal using foods from several groups. • Classify food as nutritious.	**The adult will:** • Create a healthy/unhealthy picture sort game. • Discuss the importance of making healthy food choices. • Discuss the benefits of specific foods as they relate to parts of the body. (e.g., teeth, heart) • Model healthy eating. • Display *MyPlate* near eating area to encourage healthy portioning of food. • Provide examples of healthy meals. • Provide opportunities to sort food. (e.g., food groups, nutritious versus not nutritious)

D. ALCOHOL, TOBACCO, AND CHEMICAL SUBSTANCES

Standard	Concepts and Competencies	Supportive Practices
10.1 1.D **Distinguish between healthy and unhealthy behaviors.**	**The learner will:** • Describe healthy behaviors. • Identify unhealthy behaviors. (e.g., smoking) • Discuss times when medicine is needed versus misuse of medication. • Discuss safety practices related to proper medicine use and storage. (e.g., out of reach, locked cabinet, refrigerator) • Demonstrate how to say "No" to drugs. • Identify trusted adults who can give medicine. (e.g. family members, school nurse)	**The adult will:** • Provide opportunities to discuss what happens when we are sick and what we do to feel better. • Discuss positive and negative characteristics of medicine use. • Remind students to only take medicine from a trusted adult. (e.g., family member, school nurse) • Discuss the purposes of safety caps on medicine. • Discuss what to do when unhealthy substances are found. (e.g., medicine, tobacco) • Model proper use of medicine. (e.g., proper storage in first aid kits, double checking medicine is going to appropriate student)

E. HEALTH PROBLEMS AND DISEASE PREVENTION

Standard	Concepts and Competencies	Supportive Practices
10.1 1.E **Identify and discuss common health problems and risk factors.**	**The learner will:** • Participate in discussions about infectious (e.g., colds, flu, chicken pox, pink eye) and non-infectious (e.g., asthma, allergies) illnesses. • Discuss the concept of "germs." • Participate in activities that exemplify the spread of germs to learn healthy practices. • Describe ways that germs can spread. • Explain how germs can make someone ill. • Explain how rest, exercise, and good nutrition keep us healthy. • Demonstrate respect for the health problems of others. • Identify signs of illness. (e.g., fever, headache, stomach ache, vomiting, diarrhea)	**The adult will:** • Use teachable moments (e.g., many students absent due to flu, students needing an inhaler) to discuss different types of illnesses. • Model healthy practices that prevent the spread of germs. (e.g., cough into elbow, wash hands) • Promote understanding of the importance of food restrictions. • Provide instruction on a variety of health issues. (e.g., pertaining to the classroom population) • Discuss illness prevention. • Engage students in hands-on experiences that exemplify the spread of germs to encourage healthy practices. • Use resources (e.g., books, video) to teach about specific illnesses and illness prevention.

10.2 Healthful Living

BIG IDEA: Children need to make healthy choices to optimize their learning potential.
ESSENTIAL QUESTION: What are things I can do to keep myself healthy?

A. HEALTH PRACTICES, PRODUCTS, AND SERVICES

Standard	Concepts and Competencies	Supportive Practices
10.2 1.A **Identify fundamental practices for good health.**	**The learner will:** • Practice basic hygiene routines. (e.g., hand washing, covering nose and mouth when sneezing) • Identify people who help keep us healthy. (e.g., doctor, nurse or dentist, gym teacher) • Identify tools and practices that doctors and dentists use to keep us healthy. • Identify specific practices that support body development and function. (e.g., exercise, good nutrition, rest) • Discuss the role hygiene plays in keeping us healthy.	**The adult will:** • Invite local health experts (e.g., dentist, doctor, nurse, physical trainer) to the classroom to discuss how they help keep us healthy. • Provide daily opportunities to practice hygiene routines. • Display *MyPlate* near mealtime area to encourage healthy portioning of food. • Encourage children to rest to help their bodies stay healthy. • Use role-play situations to develop competence using basic refusal skills. • Model and encourage exercise and active play. • Use a variety of resources to review healthy practices. (e.g., books, videos, songs, applications)

E. HEALTH AND THE ENVIRONMENT

Standard	Concepts and Competencies	Supportive Practices
10.2 1.E **Identify environmental factors that affect health.**	**The learner will:** • Discuss plants, insects, and animals that could be harmful. (Share personal experiences when relevant.) • Identify harmful substances. • Discuss how we protect our bodies in different seasons. (e.g., use sunscreen in summer, wear warm clothing in winter) • Describe ways to protect oneself from harmful factors in the environment. • Describe things in the environment that can be harmful. (e.g., loud noise, smoke, pollution, temperature, insects, plants)	**The adult will:** Engage a local expert (e.g., pest control professional, high school or college professional, florist) as a guest speaker. • Read books about plants, insects, and animals that might be harmful. • Explicitly label plants within the classroom as "nontoxic" and explain. • Talk about harmful substances and objects. • Recognize and use teachable moments (e.g., avoiding insect nest on playground, avoiding stray dog, applying sunscreen, locking up cleaners) to discuss how to stay safe in the natural environment.

10.3 Safety and Injury Prevention

BIG IDEA: Awareness of safe and unsafe practices provides a foundation for healthy decision-making.
ESSENTIAL QUESTION: What are things I can do to keep myself and others safe?

A. SAFE AND UNSAFE PRACTICES

Standard	Concepts and Competencies	Supportive Practices

10.3 1.A
Recognize safe and unsafe practices.
	The learner will:
	• Identify and follow basic safety rules
	  ▫ School (e.g., on playground, in classroom, on field trip, crossing street)
	  ▫ Home (e.g., poison, electrical outlets, Internet)
	  ▫ Community (e.g., strangers, motor vehicle, bicycle)
	• Identify consequence of an unsafe behavior.
	• Identify and avoid unsafe practices. (e.g., playing with matches, talking to strangers)
	• Explain how community workers (e.g., firefighter, police officer) keep us safe.
	• Identify behaviors to assure safe practice. (e.g., looking both ways when crossing the street, not talking to strangers, wearing a helmet when riding the bike)
	• Demonstrate and describe the importance of rules.
		The adult will:
		• Display and discuss classroom safety rules.
		• Discuss basic safety rules. (e.g., crossing street, stranger danger, car seat safety, water safety, bike safety, Internet)
		• Use a variety of resources to review safe and unsafe practices. (e.g., videos, songs)
		• Use natural consequences as teachable moments to reinforce safe practices.
		• Discuss consequences of unsafe behavior.
		• Engage local experts (e.g., police officers, firefighters, emergency management personnel) as guest speakers.

B. EMERGENCY RESPONSES

Standard	Concepts and Competencies	Supportive Practices
10.3 1.B **Recognize emergency situations and discuss appropriate responses.**	**The learner will:** • Identify procedures for a variety of emergencies. (e.g., fire, tornado, intruder, medical emergency) • Participate in discussions that differentiate between emergencies and non-emergencies. • Practice emergency procedures in school and at home. • Identify personal identifying information. (e.g., name, phone number, address) • Demonstrate appropriate fire safety practices and emergency procedures.	**The adult will:** • Define what constitutes an emergency. • Practice making 911 calls. • Practice sharing personal identifying information in case of emergency. • Demonstrate and practice "STOP, DROP, ROLL" and other emergency procedures. • Practice fire and emergency evacuation procedures. • Use a variety of resources to discuss emergency situations. (e.g., books, songs, applications) • Engage local experts (e.g., police officers, firefighters, emergency management personnel) as guest speakers. • Provide specific feedback after practicing emergency procedures.

10.4 Physical Activity – Gross Motor Coordination

BIG IDEA: Children gain control over their bodies and body movements through active experiences and exploration.
ESSENTIAL QUESTION: How do I control and coordinate my body during large motor activities and games?

A. CONTROL AND COORDINATION

Standard	Concepts and Competencies	Supportive Practices
10.4 1.A **Demonstrate coordination of purposeful body movements.**	**The learner will:** • Combine large motor movements with the use of equipment. (e.g., use feet to pedal, catch a ball, throw a beanbag or ball overhand with aim, kick a ball) • Move and stop with control. • Use outdoor gross motor equipment. • Engage in gross motor games. (e.g., Duck Duck Goose, Four Square) • Perform a variety of movements alongside and with a partner. • Participate in group games. (e.g., Follow the Leader, Tag, Kickball) • Hit a stationary target with an overhand throw. • Demonstrate quicker reaction time in catching.	**The adult will:** • Review safety rules prior to large motor activities. • Provide targets to throw toward. (e.g., hula hoops or baskets) • Include materials and equipment that encourage active play. (e.g., balls, climbers and slides, ramps) • Provide daily outdoor time. • Provide instruction on varying roles pertaining to a type of game/sport. (e.g., goalie/soccer) • Provide educational experiences that emphasize cooperative games. • Create opportunities to participate in large motor movement games that involve partners. • Engage in gross motor play with students.

B. BALANCE AND STRENGTH

Standard	Concepts and Competencies	Supportive Practices
10.4 1.B **Exhibit balance, strength, stamina, and agility.**	**The learner will:** • Use gross motor movements to learn new skills and engage in new activities. • Engage in large motor activities that require strength and balance. (e.g., marching, hopping, skipping, running, jumping on one foot, dancing, walking tip toe) • Walk on a balance beam forward and backward. • Climb stairs using alternating feet. • Participate in an obstacle course. (e.g., through tunnels, over or under equipment) • Identify why regular, active participation may help skills (e.g., balance, strength, stamina, agility) improve.	**The adult will:** • Provide opportunities to participate in a variety of motor activities. (e.g., including sway, stretch, pull, push, bend, squat) • Provide space and opportunities daily for students to walk, run, and climb. • Provide different amounts of time for practicing motor skills. • Discuss how short- and long-term practices affect motor skill performance. • Provide daily opportunities for students to engage in gross motor activities inside. (e.g., dancing and moving to music, beanbag toss) • Include large motor movements during transitional times. (e.g., hop to the table, jump five times while you wait to wash your hands) • Include motor games and songs. • Create obstacle courses to practice gross motor movements.

10.5 Concepts, Principles, and Strategies of Movement – Fine Motor Coordination

BIG IDEA: Fine motor practice helps children develop eye-hand coordination, strength, and controlled use of tools.
ESSENTIAL QUESTIONS: How do I use my hands and fingers to manipulate objects? How do I develop eye-hand coordination?

A. STRENGTH, COORDINATION, AND MUSCLE CONTROL

Standard	Concepts and Competencies	Supportive Practices
10.5 1.A **Use dexterity and strength to manipulate objects.**	**The learner will:** • Practice self-help skills. (e.g., zipping, buttoning, tying) • Use scissors to cut a variety of shapes. • Trace templates or forms. • Manipulate smaller objects. (e.g., puzzle pieces, string beads, trace a line or circle)	**The adult will:** • Provide opportunities to use scissors. • Provide opportunities to trace templates or forms. • Provide opportunities to manipulate objects. (e.g., puzzles)

B. EYE/HAND COORDINATION

Standard	Concepts and Competencies	Supportive Practices
10.5 1.B **Coordinate eye and hand movements to perform an advanced task.**	**The learner will:** • Act out finger plays with hands and fingers. • Use scissors to cut a variety of shapes. • Complete self-help skills. (e.g., zip, button, tie) • Manipulate smaller objects. (e.g., puzzle pieces, string beads) • Use lined paper during daily writing experiences.	**The adult will:** • Teach and encourage students to participate in finger plays. • Provide opportunities to use scissors. • Encourage students to dress independently. (e.g., zip coat, tie shoes) • Provide a variety of smaller objects to manipulate. • Provide opportunities for writing across the curriculum.

C. USE OF TOOLS

Standard	Concepts and Competencies	Supportive Practices
10.5 1.C **Use tools with control and skill to perform tasks.**	**The learner will:** • Demonstrate control with writing and drawing implements. • Choose appropriate tool for a specific task. • Use writing and drawing implements with functional grasp. (e.g., pincer grasp, tripod grip) • Use a variety of art tools (e.g., glue sticks, paintbrushes, scissors) for a specific purpose. • Practice using computer mouse.	**The adult will:** • Provide a variety of materials and experiences that offer manipulative practice. (e.g., art, writing, puzzles) • Encourage students to create letters using proper letter formation and sizing. • Maintain a writing center with a variety of writing implements and art tools.

Health, Wellness, and Physical Development Glossary

Agility—A component of physical fitness that relates to the ability to rapidly change the position of the entire body in space with speed and accuracy.

Balance—A skill-related component of physical fitness that relates to the maintenance of equilibrium while stationary or moving.

Body Systems—A group of organs that work together to perform a certain task.

Coordination—A skill-related component of physical fitness that relates to the ability to use the senses together with body parts in performing motor tasks smoothly and accurately.

Developmental Differences—Learners are at different levels in their motor, cognitive, emotional, social, and physical development. The learners' developmental status will affect their ability to learn or improve.

Developmentally Appropriate—Motor skill development and change that occur in an orderly, sequential fashion and are age- and experience-related.

Directions—Forward, backward, left, right, up, down.

Fine Motor—Action involving the small muscles of the hands and wrists.

Flexibility—A health-related component of physical fitness that relates to the range of motion available at a joint.

Food Guide Pyramid—A visual tool used to help people plan healthy diets according to the Dietary Guidelines for America.

Health—A state of complete physical, mental, and social well-being; not merely the absence of disease or infirmity.

Health Education—Planned, sequential PK-12 program of curricula and instruction that helps students develop knowledge, attitudes, and skills related to the physical, mental, emotional, and social dimensions of health.

Gross Motor—The abilities required to control the large muscles of the body for walking, running, sitting, crawling, and other activities.

Locomotor Movement—Movements producing physical displacement of the body, usually identified by weight transference via the feet. Basic locomotor steps are the walk, run, hop, and jump, as well as the irregular rhythmic combinations of the skip, slide, and gallop.

Manipulate—Handle or control, typically in a skillful manner.

Motor Skills—Non-fitness abilities that improve with practice and relate to one's ability to perform specific sports and other motor tasks (tennis serve, shooting a basketball).

Movement Skills—Proficiency in performing non-locomotor, locomotor, and manipulative movements that are the foundation for participation in physical activities.

My Plate—A visual cue to help consumers adopt healthy eating habits by encouraging them to build a healthy plate, consistent with the 2010 dietary guidelines for Americans.

Non-Locomotor Movement—Movements that do not produce physical displacement of the body.

Nutrition—The sum total of the processes involved in the taking in and the use of food substances by which growth, repair, and maintenance of the body are accomplished.

Physical Activity—Bodily movement produced by the contraction of the skeletal muscle and which substantially increases energy expenditure.

Physical Education—Planned, sequential, movement-based program of curricula and instruction that helps students develop knowledge, attitudes, motor skills, self-management skills, and confidence needed to adapt and maintain a physically active life.

Physical Fitness—A set of attributes that people have or achieve that relate to their ability to perform physical activity.

Strength—The quality or state of being strong; bodily or muscular power; vigor.

Safety Education—Planned, sequential program of curricula and instruction that helps students develop the knowledge, attitudes, and confidence needed to protect them from injury.

Social and Emotional Development

Student Interpersonal Skills

16.1 Self-Awareness and Self-Management

16.2 Establishing and Maintaining Relationships

16.3 Decision-Making and Responsible Behavior

Positive Behavior Techniques

All children benefit from safe, nurturing environments, clear and consistent routines, and effective caregivers who understand children's behavior as attempts to communicate needs. When children are taught skills to assist them in positive communication, coping, and interpersonal relationships, challenging behaviors can be prevented. For a smaller group of children more focused efforts can be applied to address specific behavioral needs. An even smaller population of children will need more intensive interventions in collaboration with trained professionals. This tiered-approach to addressing behavior contributes to a safe and supportive environment in which all children are respected and valued.

All children need early childhood experiences that nurture emotional security, positive self-concept, and respect for others. Children's social and emotional development are strengthened when they have experiences that promote a sense of identity and belonging within an accepting and responsive environment. Adults support children's self-identity and social competence by modeling respect for the children, using positive guidance techniques that support the development of self-control and interpersonal problem-solving, and by encouraging positive approaches to learning and interacting with others.

16.1 Self-Awareness and Self-Management

BIG IDEA: Understanding of self and ability to regulate behaviors and emotions are inextricably linked to learning and success.
ESSENTIAL QUESTIONS: How do I develop positive feelings about myself? How do I express and manage my emotions?

A. MANAGES EMOTIONS AND BEHAVIORS

Standard	Concepts and Competencies	Supportive Practices
16.1 1.A **Examine the impact of emotions and responses on view of self and interactions with others.**	**The learner will:** • Recognize and label more complex feelings. (e.g., frustrated, anxious, embarrassed) • Express feelings that are appropriate to the situation. • Express feelings in multiple ways. (e.g., verbal or nonverbal, play, art, journal) • Control negative responses. (e.g., express in appropriate way: talk with peer or tell teacher) • Know when to withhold expression of feelings in certain situations. • Discuss emotions and impact on others.	**The adult will:** • Use Positive Behavior Support to support students' social and emotional success. • Establish and state clear behavior expectations. • Offer materials to creatively express emotions. • Read books about feelings and talk about the outcomes. • Engage students in discussions about how they feel when they experience certain situations. (e.g., positive and negative) • Model appropriate emotional responses. (e.g., "I feel . . .") • Explain appropriate "cool-down" strategies. • Respond to students' verbal and nonverbal cues.

B. INFLUENCES OF PERSONAL TRAITS ON LIFE ACHIEVEMENTS

Standard	Concepts and Competencies	Supportive Practices
16.1 1.B **Understand the impact of personal traits on relationships and school achievement.**	**The learner will:** • Demonstrate awareness of self and one's own preferences. • Know and state independent thoughts and feelings. • Demonstrate pride in own accomplishments. • Demonstrate confidence in own abilities. • Choose materials and activities based on preferences and personal interests. • Discuss personal traits and possible impact on school achievement.	**The adult will:** • Encourage an environment where cultural and personal diversity are valued. • Provide opportunities to make decisions and choices. • Support students in sharing opinions about classroom activities, choices, and other experiences. • Graph students' likes and dislikes. • Share enthusiasm and describe students' abilities and preferences. • Display students' work.

C. RESILIENCY

Standard	Concepts and Competencies	Supportive Practices
16.1 1.C **Identify adverse situations which all people encounter and healthy ways to address.**	**The learner will:** • Use positive coping strategies. (e.g., stay calm when something does not go as intended, stop and take a deep breath, short break) • Recognize that all people experience challenges and respond to them in different ways. **** See also AL.4 1.B***	**The adult will:** • Foster a positive environment where students learn from success and unsuccessful attempts. • Model positive coping strategies. • Offer a space where students can regain composure. • Talk through an adverse situation with students. • Help students understand that adverse situations happen to everyone. • Acknowledge students' demonstration of efforts to persevere during difficult or frustrating times.

D. GOAL-SETTING

Standard	Concepts and Competencies	Supportive Practices
16.1 1.D **Describe the effect of goal-setting on self and others.**	**The learner will:** • Set, discuss, and reflect on goals. (e.g., behavioral, learning, play) • Recognize and adopt strategies to meet short- and long-term goals. • Analyze and evaluate alternative strategies in meeting goals.	**The adult will:** Explicitly use words such as "goal," "plan," "achieve," "met," "challenge." • Use strategies to encourage planning and discussion about goals and follow-through. (e.g., plan, do, reflect) • Establish and maintain a safe climate in which reasonable risks are accepted and encouraged. • Discuss students' choices in terms of "goals" to be met and alternative strategies in meeting them.

16.2 Establishing and Maintaining Relationships

BIG IDEAS: Early adult-child relationships, based on attachment and trust, set the stage for life-long expectations that impact children's ability to learn, respect adult authority, and express themselves. Positive peer interactions create collaborative learning opportunities. Relationships with others provide a means of support.
ESSENTIAL QUESTION: How do my relationships with adults and peers help me feel secure, supported, and successful?

A. RELATIONSHIPS – TRUST AND ATTACHMENT

Standard	Concepts and Competencies	Supportive Practices
16.2 1.A **Establish relationships that are positive and supportive of others.**	**The learner will:** • Engage in reciprocal conversations with peers and adults. • Respond to adult's questions and directions. • Demonstrate appropriate affection for familiar adults and peers. • Seek out companionship from another student. • Use words denoting friendship. • Ask a peer to play. • Play cooperatively with peers for a sustained period of time. • Respond with empathy to others who are upset. • Share and take turns. • Respect feelings and belongings of others.	**The adult will:** • Use Positive Behavior Support to support students' social and emotional success. • Model appropriate methods and strategies of interaction based on school and community culture. • Talk about ideas related to school work, play, and home life. • Arrange the environment to encourage collaboration. • Use literature as a teaching strategy for appropriate and inappropriate interaction. • Provide duplicate materials so students can play together. • Set timers to encourage material or equipment sharing. • Incorporate daily blocks of time for uninterrupted student-directed purposeful play. • Provide daily opportunities for individual conversations between students and adults. • Describe others' feelings during difficult situations.

B. DIVERSITY

Standard	Concepts and Competencies	Supportive Practices
16.2 1.B **Recognize and tolerate the uniqueness of all people in all situations.**	**The learner will:** • Understand each person has a set of unique characteristics. • Label personal characteristics. • Discuss similarities and differences between self and others. • Understand family structures differ from one family to another. • Understand thoughts and feelings of others may differ from own. • Demonstrate respect for children's differences. (e.g., including differences in thoughts and feelings)	**The adult will:** • Model and promote strategies that embrace individual and family diversity. • Provide opportunities to discuss and compare personal traits among members of the class. • Encourage family members to volunteer or share information, materials, and activities that reflect home cultures. • Include multicultural materials, especially those relevant to the cultures within the class. (e.g., skin-tone crayons, books, dolls, music, dress-up clothing and props, posters) • Read and discuss text showing students/families of different races, cultures, ages, abilities, and family structure. • Explicitly discuss points of difference in thoughts and feelings.

C. COMMUNICATION

Standard	Concepts and Competencies	Supportive Practices
16.2 1.C **Explain the impact of communication on interactions with others.**	**The learner will:** • Communicate using details related to topic being discussed (including topics of personal interest, and special events). • Respond to conversation adding further detail, or contribute further to the topic being discussed. • Pose questions related to topic being discussed. • Link conversation to prior knowledge and past learning experiences. • Respond to questions posed by adults and peers using more than one word. • Recognize conversational cues. (e.g., wait, turn-taking)	**The adult will:** • Explicitly restate comments made by students and encourage those responding to add further detail, or contribute further to the topic being discussed. • Help students create and pose questions to initiate or continue a conversation. • Encourage students to speak in complete sentences. • Model acceptable conversational cues. (e.g., wait time, turn-taking) • Talk about events that are currently relevant to students.

D. MANAGING INTERPERSONAL CONFLICTS

Standard	Concepts and Competencies	Supportive Practices
16.2 1.D **Identify and apply appropriate ways to resolve conflict.**	**The learner will:** • Use appropriate words and actions to express own needs. • Identify a problem and discuss possible solutions. • Independently solve simple conflicts with peers. • Negotiate conflicts using words before seeking help. • Use words during a conflict instead of physically responding. • Accept and attempt teacher's or others' ideas on strategies to solve a conflict.	**The adult will:** • Provide opportunities for student reflection and discussion of conflict resolution strategies. • Model, teach, and discuss possible strategies for resolving conflict. (e.g., use of role-playing and stories, cool-down strategies) • Be open and available to help students resolve conflicts. (e.g., "I' messages) • Design an area in the room that encourages students to solve conflicts.

E. SUPPORT – ASKING FOR HELP

Standard	Concepts and Competencies	Supportive Practices
16.2 1.E **Determine who, when, where, or how to seek help for solving problems.**	**The learner will:** • Attempt tasks independently before asking for help. • Recognize when help is needed. • Recognize appropriate sources of help. (e.g., familiar adult, community helpers, peers) • Develop beginning understanding of moral and ethical dilemmas. • Ask for adult help to solve a problem or to complete a task after multiple unsuccessful attempts. • Respond appropriately to offers of help. (e.g., "That's okay, I can do it." or "Yes, thank you.")	**The adult will:** Encourage students to turn to peers for assistance. • Create an environment of trust by providing consistency and predictability. (e.g., in daily routines, activities, staff) • Encourage students to try tasks independently before offering assistance. • Help students develop understanding of moral and ethical dilemmas. • Offer assistance in helping a student complete a task after multiple unsuccessful attempts. • Discuss where students can go to for help when needed. (e.g., peers, familiar adult, community helpers)

16.3 Decision-Making and Responsible Behavior

BIG IDEA: Actions and behaviors either positively or negatively affect how I learn, and how I get along with others.
ESSENTIAL QUESTION: How do I use healthy strategies to manage my behavior?

A. DECISION-MAKING SKILLS

Standard	Concepts and Competencies	Supportive Practices
16.3 1.A **Recognize that there are consequences for every decision which are the responsibility of the decision-maker.**	**The learner will:** • Recognize unsafe situations. • Tell an adult of an unsafe situation. • Warn a peer about a safety risk. (e.g., chair not pushed in) • Encourage peers having a dispute to use positive decision-making strategies. (e.g., use their words and work it out) • Discuss the reasons for having rules. • Develop understanding of natural consequences. (e.g., lack of sleep, not brushing teeth)	**The adult will:** • Provide opportunities to create rules. • Discuss the reasons for having specific rules. • Model and teach a variety of decision-making strategies. (e.g., vocabulary associated with decision-making strategies and consequences) • Provide reminders of rules and consequences when students test the rules. • Use natural consequences (e.g., falling due to running in the classroom) as opportunities to discuss consequences of behaviors.

B. UNDERSTANDING SOCIAL NORMS (Social Identity)

Standard	Concepts and Competencies	Supportive Practices
16.3 1.B **Demonstrate knowledge of how social norms affect decision-making and behavior.**	**The learner will:** • Use inside voices while indoors and outside voices when outdoors. • Cooperate in both large and small group activities. • Apply classroom rules to new situations. • Adjust to changes in routines and activities. • Follow rules and routines in classroom and other settings. • Discuss how social norms may affect decision-making behavior.	**The adult will:** • Use Positive Behavior Support to support students' understanding of social norms. • Discuss expectations of differing environments. (e.g., library, restroom, cafeteria, classroom, outside) • Discuss expectations of a new or unfamiliar environment or situation. (e.g., field trip, classroom visitor) • Model appropriate behavior. • Provide consistent rules and expectations in classroom environment. • Encourage families to provide consistent rules and expectations in home environment. • Provide literacy experiences related to socially acceptable ways to behavior in different places.

C. RESPONSIBLE ACTIVE ENGAGEMENT – EMPATHY

Standard	Concepts and Competencies	Supportive Practices
16.3 1.C **Actively engage in creating an environment that encourages healthy relationships.**	**The learner will:** • Respond with empathy to others. • Recognize when someone needs help and offer assistance. • Respect another's attempts to complete tasks independently.	**The adult will:** • Use Positive Behavior Support to support students' understanding of healthy relationships. • Encourage peers to help one another rather than offering adult assistance. • Identify and describe others' feelings including use of nonverbal cues. • Read and discuss books about empathy. • Provide specific feedback and acknowledgement on students' efforts to help others.

Social and Emotional Development Glossary

Active Engagement—The process of acting, participating, assisting, or actively connecting with others.

Communication—Processes by which information is exchanged between individuals.

Communication Skills—Verbal and nonverbal means of effectively conveying meaningful information.

Conflict—Inherent incompatibility between two or more people or two or more choices.

Conflict Resolution—Process by which issues arising from a disagreement or clash between ideas, principles, or people are settled.

Consequence—A positive or negative outcome resulting from a choice or decision.

Coping Skills—Behavioral tools that enable one to express negative feelings in ways that are not self-destructive or threatening to others and to overcome personal adversity or stress.

Culture—Shared attitudes, values, goals, behaviors, interactions and practices that are learned through social interactions which identify or distinguish groups.

Decision-Making—Process of coming to a conclusion or determination.

Diversity—Variety of characteristics that make individuals unique.

Emotions—The outward and inward expression of a person's state of mind based upon personality, mood, and temperament that influence relationships and must be appropriately managed.

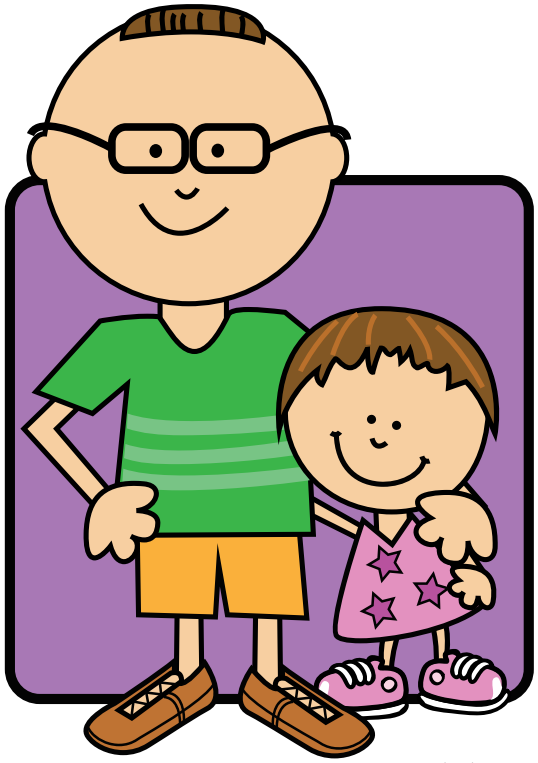
Pyramid Model—Is used to support social and emotional competence in infants and young children.

Resilience—An ability to recover from or adjust easily to misfortune or change.

Partnerships for Learning

Families, Schools, and Communities

1. **Families are supported and connected to community resources.**
2. **School communities and families build partnerships that are affirming, reciprocal, and respectful.**
3. **Families have the knowledge and understanding to encourage and support their students' learning and development.**
4. **Family members have support from other families empowering and strengthening the entire school community.**
5. **Families are supported by the school community to develop and use leadership and advocacy skills.**
6. **Families are supported in times of transition.**



The Pennsylvania Partnerships for Learning Standards were informed by nationally recognized resources including the *Head Start Parent, Family and Community Engagement Framework, PTA National Standards for Family-School Partnerships®,* and the *Strengthening Families Protective Factors Framework™*. Information on these resources can be found in the resource guide at the end of the standards.

The partnerships between the student, family, school, and community are crucial to children's learning. Schools, families, and community partners should work together to share information about individualized learning plans and goals, assure positive transitions to and from community and classroom settings, and identify and refer family members to community agencies when appropriate.

STANDARD 1: Families are supported and connected to community resources.

BIG IDEAS: Each family has its own unique set of needs that change over time. School staff are non-judgmental in helping families to identify and address strengths and needs. School staff build upon family strengths and support families as needs arise so families are confident and knowledgeable about how to access resources.
ESSENTIAL QUESTIONS: What policies and procedures are in place to connect families to available resources and supports? How do I convey to families that it is a strength to access resources and supports?

FAMILIES BENEFIT FROM COMMUNITY SUPPORTS AND RESOURCES THAT ARE RESPONSIVE TO THE CHANGING NEEDS OF FAMILIES AND BUILD UPON THEIR STRENGTHS.

Supportive Practices of School Staff	Families Will Experience
School staff act as facilitators to connect families to community resources. • Identify and understand the services that are provided within the community. Identify contacts to facilitate collaborative work. • Build relationships with other community agencies and use their expertise to build knowledge about the culture in the community, including community characteristics, strengths, challenges, unique needs, and resources available. • Create a family resource area that is accessible within the community or school. Routinely share information with families about the resource area and the availability of information. • Share information with families and the community in a variety of ways including hard copies, electronically, website, local newspaper, social media, etc. • Encourage families that have accessed community resources and supports to share their stories to help others. • Collaborate with other professionals (e.g., behavioral health, child welfare, out of school time) ensuring that there is ongoing communication and development of successful educational strategies for the student and supports for the family. • Recognize that the overall health and well-being of the entire family has an impact on a student's learning and development.	• Families are comfortable sharing their strengths (assets), questions, and needs. • Families seek and receive information about community supports and resources from trusted individuals. • Families receive referrals and information from people that they have established relationships. In turn, families use these established relationships to make connections with new agencies. • Families choosing to access additional resources have the information and support they need to make the next step. • Families serve as information agents and help provide access to community services.

Supportive Practices of School Staff	Families Will Experience
Making referrals • Share information with families about available events, classes, workshops, and community supports. • Provide materials from agencies and information and referral providers. • Recognize that the strengths and needs of a family change over time. Maintain open communication with families so relationships are established as needs arise. • Recognize that the family is the decision-maker for connecting to services. As appropriate, facilitate connections with other agencies/supports, ensuring that any information exchange follows confidentiality procedures. • Provide specific resources as families identify needs, and empower them to make connections. (e.g., specific contact name, best time to call, what information will be asked, directions to the location) • Develop ongoing information-sharing processes with other agencies which work with families. (e.g., human services agencies, educational enrichment programs, youth activity programs, fitness center, library) • Be sensitive to some families' reluctance to act on potential referral or additional evaluation recommendations. Periodically re-assess, discuss, and encourage families to share potential concerns they have or barriers they have encountered to accessing supports. • Recognize and support the family's resiliency as they manage stressful situations and identify potential solutions. • Respond immediately when families are in crisis. • Follow up with the family after making a referral to find out if they were successful in accessing the support needed. If not, problem-solve solutions with the family. • Provide information and resources to enable families to access affordable, quality health care, including screenings (e.g., physical, mental, dental, social/emotional development) and behavioral health care in ways that are non-stigmatizing to the student and family. • Guide and support families through the process when a referral may be needed by sharing observations and child progress, so that the family can access the necessary supports and resources for their student. • Recognize that age, economics, culture, and experiences impact how families set goals and access resources.	• Families are knowledgeable about and feel supported to access resources that meet their needs in a way that is comfortable. • Families recognize that asking for support or help is a sign of strength. • Families do not feel stigmatized when asking for, or receiving, assistance or support. • Families receive referrals in a language that makes sense to them and provide all of the necessary information and support in making the first contact. • Families receive consistent messages that community supports and resources are available to meet specific needs. • Families have the opportunity to share information about their experiences with service providers with other families.

STANDARD 2: School communities and families build partnerships that are affirming, reciprocal, and respectful.

BIG IDEAS: Students thrive when families and schools have strong partnerships to support their learning. Schools have a responsibility to initiate the building of partnerships with families.
ESSENTIAL QUESTIONS: What policies and procedures are in place to build relationships with families? How do I seek to understand a family's strengths, values, beliefs, and attitudes towards learning? How does our school share its strengths, values, beliefs, and attitudes towards learning with families? How do I develop two-way and meaningful relationships with families so a student's learning is enhanced?

STUDENTS BENEFIT WHEN PARTNERSHIPS FOR LEARNING ARE RELATIONSHIP-BASED, RECIPROCAL, AND BUILD UPON STRENGTHS OF THE CHILD AND FAMILY.

Supportive Practices of School Staff	Families Will Experience
Policies and procedures. • The school has clearly defined written policies and procedures that are informed by family input, and are reviewed and discussed openly on a regular basis with families. These policies and procedures include: – roles and responsibilities of school staff, – expectations of school staff and families, – student attendance, – timely responses to phone calls and messages from families, – student and family rights, including appropriate steps to resolve conflicts (i.e. bullying, disciplinary actions, special education), – maintaining confidentiality, – regarding classroom visitation so family members have access and can visit, volunteer, and/or participate in their student's education, – school mission, approaches to learning, and curriculum used within the school.	• Families are aware of their rights and responsibilities and knowledgeable about how to act on them. (e.g., expectations of the family, accessing the school district dispute resolution process, accessing related services) • Families feel comfortable and are welcome when coming to the school or scheduling a classroom visit. • Families trust that their personal information will not be shared without their consent. • Families have written information to refer to, and know whom to contact with questions or concerns. • Families have an opportunity to provide feedback to school staff.

Supportive Practices of School Staff	Families Will Experience
Approaches to relationship-building • Acknowledge that family members are the student's primary teacher and are experts on their student. • Create ongoing formal and informal opportunities to engage with families about their interests, strengths, expectations, concerns, joys, and achievements. • Use information about family's strengths, interests, expertise, and vision for their student to support the student's learning and development. • Use parents' preferred methods for communication. • Promote ongoing and reciprocal communication about day-to-day activities between school staff and families. • Recognize and create opportunities for school staff and families to have fun and learn together. • Recognize that obstacles to relationship-building can be overcome, and actively seek out strategies and resources when barriers exist. (e.g., talking with the principal/ supervisor, consider if a misunderstanding may be related to cultural differences between staff and the family's cultural approach to the situation, seek additional information) • Provide opportunities for families to share information about their children, their goals, and vision for their children's learning and development. • Provide families information about topics that are relevant to their children's learning. (e.g., supporting literacy; Science, Technology, Engineering and Math (STEM); bullying; screen time; etc.)	• Families are asked for their observations about their students' development. • Families feel validated and supported in their roles as their students' primary teachers and experts on their students. • Families feel comfortable and routinely provide feedback and input to their students' education. • Families are equal partners in supporting their students' learning and development. • Families use strategies to overcome barriers. • Families provide and receive communication in their preferred method. • Families participate in events that are part of their students' school and community. • Families provide feedback and information and are engaged in their students' learning process. • Families see that their strengths and interests are used to support their students' learning.

Supportive Practices of School Staff	Families Will Experience
Practices to honor a family's unique culture • Recognize that culture is defined as "an integrated pattern of human behavior, which includes but is not limited to—thought, communication, languages, beliefs, values, practices, customs, courtesies, rituals, manners of interacting, roles, relationships, and expected behaviors of a racial, ethnic, religious, social, or political group; the ability to transmit the above to succeeding generations; dynamic in nature" (National Center for Cultural Competence 2004, 4). • Seek to understand each family's unique culture. • Use culturally responsive teaching and learning to maximize students' learning opportunities. • Learn about whom the student and primary caregiver(s) considers "family," invite them to be a participant in the student's education, and engage in school activities. • Ensure that family communications are done in culturally sensitive ways that accommodate family literacy levels and language needs. • Recognize that daily routines, such as eating, the ways that holidays are celebrated, special events, and how emotions are expressed, are culturally influenced. Actively gather this information from families and, as appropriate, incorporate into school activities. • Encourage school participation in cultural and other events within the community.	• Families feel affirmed and acknowledged. • Families feel their culture and values are supported by the school. • Families feel validated that the school recognizes their unique family composition. • Families share cultural and other community events with the school and other families. • Families feel empowered to share their culture to educate other students, families, and staff within the school.

STANDARD 3: Families have the knowledge and understanding to encourage and support their students' learning and development.

BIG IDEAS: Families are the foundation of a student's education and learning. Families are the common link throughout a student's educational experience. Information and support in the early years form the foundation for lifelong informed and engaged parenting.
ESSENTIAL QUESTIONS: What policies and procedures are in place to provide information and support families to encourage their students' learning and development? How do I ensure that information provided to families reflects best practice and current knowledge? How does the school acknowledge and respect a family's culture and use culturally responsive teaching and learning? How does our school ensure that information exchange is two-way and meaningful and used to support the students' learning?

THE BOND BETWEEN STUDENT AND FAMILY IS THE STABLE CONNECTOR THROUGHOUT A STUDENT'S LIFE. STUDENTS BENEFIT FROM HAVING ONGOING FAMILY SUPPORT TO PROMOTE THEIR LEARNING.

Supportive Practices of School Staff	Families Will Experience
School provides information about child development and how the classroom/school supports learning • Provide information about child development milestones, including healthy social and emotional development, in a way that is accessible and relevant to families. • Provide information about the Pennsylvania Learning Standards for Early Childhood and how they are implemented in the classroom. • Discuss school district curriculum and how it is aligned with the Pennsylvania Learning Standards for Early Childhood. • Discuss with families how their everyday routines and activities support learning standards. • Share with families how the indicators of school- and district-level academic achievement and growth are measured. • Share with families how grade-level and student data inform classroom instructional practices to support learning and development of students. • Communicate with families the role of play and active learning in the instructional process. • Create videos, picture books, written schedules, and/or newsletters that depict the learning routines of the classroom/school. • Clarify classroom/school expectations. • Create a family resource area that contains books, toys, and information that families can access.	• Families feel valued as a member of their students' learning team. • Families provide information about their students' development and learning styles. • Families help children develop a positive cultural identity and interact in a diverse society. • Families are competent and confident in their understanding of basic child development. • Families explore and share with others how their experiences with learning and their family culture impact their students' learning. • Families understand how their students' program supports learning and they feel confident to expand upon the learning themselves. • Families recognize and feel validated that their strengths, interests, and daily routines are supporting their students' learning and development. • Families participate in a variety of formal and informal opportunities to gain knowledge and experiences that are relevant to them. • Families understand the instructional practices used within the classroom and, as appropriate, use similar practices when supporting their students' learning. • Families have knowledge and understanding of the Pennsylvania Learning Standards for Early Childhood and how they are supported by classroom instruction. In addition, families recognize the connection of their routines, activities, and experiences at home and in their communities.

Supportive Practices of School Staff	Families Will Experience
Reciprocal sharing of an individual student's milestones, progress, and learning style • Regularly provide and receive information about the student's growth and progress with the family. • Share progress of student's development in ways that are meaningful and allow the family to know what to expect next and to build on their student's strengths. • With families, develop individualized goals and strategies to support students' learning and development. • Solicit family input into student interests and strengths. • Provide opportunities for family members to identify accomplishments their student may have completed at home or in the community, and share successes of learning in the classroom through art, pictures, projects, online media, etc. • Discuss schedules, events, or past experiences that may impact a student's learning and development. Be respectful of family's private and personal information and recognize the need for sensitivity and confidentiality. (e.g., Talk about a recent event, such as divorce or death, which may impact a student's behavior and learning. Discuss ways to communicate reciprocally about student's adjustment.) • Share results of screenings and assessments in a concrete way that enables the family to understand the student's strengths and areas for focus. Information related to assessments should be provided in ways that family members can act on the information. Ensure that results are jargon-free and meaningful to families. • When assessments/student work indicates that a student is in need of additional instruction or assistance to meet a goal, provide information to the family that explains the approach that school staff will use and how family members can support their student's learning. • Encourage and support families in accessing screenings for physical, mental, and dental health, social-emotional and cognitive development supports. • As appropriate, participate in the development of and support a student's/family's goal(s) established through other child- and family-serving systems (e.g., behavioral health, etc.) • In collaboration with the family, additional school personnel, and/or other service providers (e.g., special education and related services, behavioral health services), develop strategies to support the student's academic and/or social and emotional needs. • Use parent-teacher conferences as a time for reciprocal sharing of information related to individual student progress and provide suggestions and resources (e.g., activities and strategies) families can use to help their students learn and grow.	• Families are aware of their students' development and progress, and where their students are in relation to typical developmental milestones, grade level expectations, and standards. • Families use their typical routines and family activities to create strategies which support their students' learning and development. • Families share information about their children with school staff. • Families are comfortable to ask questions and try out new ideas. • Families are knowledgeable about and comfortable in accessing resources to support their students' development. (e.g., special education services, behavioral supports, or other parenting supports) • Families feel comfortable sharing information about their family, including culture and traditions and how they impact their students' learning and participation in school.

Supportive Practices of School Staff	Families Will Experience
Using family input and strengths to enhance and support students' development • Provide information and guide families to identify books, toys, songs, finger plays, dances, foods, and culturally relevant materials and experiences that can be used to support their students' development. • Seek to understand family-specific beliefs or practices and connect them to their students' learning and development. • Include families in the screening, assessment, and referral processes of the school. Assure that these processes are culturally sensitive and delivered in the language requested by the family. Include multiple sources of evidence to understand student growth and development. • Support families in their understanding of learning areas that are new or not as familiar by building upon their strengths and interests to support the expansion of learning at home.	• Families participate in school planning efforts related to culturally responsive teaching and instruction. • Families feel validated that the school reflects the unique contributions and qualities of their family. • Families feel confident to use strategies that build upon their typical routines and expand learning to areas that are less familiar to them. • Families feel comfortable sharing information about their family, including culture and traditions and how they impact their children's learning and participation in school.

STANDARD 4: Family members have support from other families, empowering and strengthening the entire school community.

BIG IDEAS: Families grow in knowledge and confidence when they share information and give and receive support from other families.
ESSENTIAL QUESTIONS: What policies and procedures are in place to support family-to-family experiences? How do I encourage and support informal and formal opportunities for families to connect with other families for social engagement, support, and information?

FAMILY MEMBERS BENEFIT WHEN THEY HAVE OPPORTUNITIES TO SHARE EXPERIENCES, PROVIDE SUPPORT TO, AND RECEIVE SUPPORT FROM OTHER FAMILIES.

Supportive Practices of School Staff	Families Will Experience
• Include family-to-family support practices and encourage social connections as part of the school's policies and procedures. • Create intentional opportunities and space for families with similar circumstances and interests to connect with each other while respecting confidentiality. • Strategize innovative ways to ensure that families are aware of, and can connect to, other families in the school and/or community. • Develop mentoring and/or welcoming opportunities for families within the school. • Encourage and support families to share their skills, interests, and expertise with other families. • Provide opportunities for families to share and learn from each other about supporting their children's learning and development. • Share information about formal and informal parent networking opportunities. (e.g., Parent to Parent of Pennsylvania, online groups, support groups, library groups, places where families informally gather, for example, parks or sporting events)	• Families have a strong network of other families who respect, appreciate, and support them in their parenting roles. • Families are comfortable connecting with families with similar and different experiences than their own. • Families are comfortable with seeking and providing mutual support. • Families play an active role in initiating and implementing family-to-family supports within their school.

STANDARD 5: Families are supported by the school community to develop and use leadership and advocacy skills.

BIG IDEA: Each family member has the opportunity to be a leader/advocate for his or her individual student, at the school level, state level, and/or beyond.
ESSENTIAL QUESTIONS: What policies and procedures are in place to support family leadership? How do I assist families to know their expertise is valuable and support them to share their knowledge with others? How does our school support and strengthen resiliency?

FAMILY MEMBERS HAVE UNIQUE EXPERIENCES AND EXPERTISE FROM WHICH THE SCHOOL AND COMMUNITY CAN BENEFIT. WHEN FAMILIES HAVE SUPPORTS AND OPPORTUNITIES TO GROW IN THEIR LEADERSHIP, THEY BECOME AGENTS OF CHANGE AND/OR SUPPORTERS OF WHAT IS WORKING.

Supportive Practices of School Staff	Families Will Experience
Supporting family leadership with their own students • Recognize that supporting their students' learning and involvement in school are often a family's first step towards growing their leadership beyond their own student to the greater school community and beyond. • Recognize families advocating on behalf of their students as a sign of leadership. • Promote and support families in the development of individual goals for their students .(e.g., social/emotional, educational, and personal goals) • Clearly explain safety/security protocols and procedures that are in place in the school and help families navigate necessary requirements or prerequisites for full participation .(e.g., visiting a classroom, volunteering in the school, etc.) • Inform family members of the policies/procedures related to holiday celebrations or birthdays so that they can support their student's participation as appropriate (or decline). • Support family's efforts to develop effective ways to navigate support systems and advocate for their student. • Support family members as decision-makers and support decision-making and leadership skills. • Allow for and support families in sharing their students' accomplishments and progress. • Value the participation and provide a variety of ways for family members to have input into decisions related to their students' education. • Encourage and provide support for family members to extend their student's learning at home and in their community. Recognize value and encourage learning that occurs in the student's home and community. **Leadership within the school community and beyond** • Implement policies and procedures that support the involvement of families in shared decision-making. • Provide a variety of ways for family members to share feedback related to their experiences with their students' education/school. "Close the loop" and share with families how their feedback impacted school policies/procedures. • Offer varied roles within the school to support families to initiate and expand their leadership. (e.g., offering volunteer opportunities within the classroom or to support the classroom, serving on family advisory committees, planning/participating in learning/social events, review and provide input to policies and procedures) • Involve families in school/school district goal-development and strategic planning. Co-host with families, training on school governance. • Develop/review conflict resolution policies with guidance and input from families. • Provide opportunities for families and staff to share expectations related to the school/classroom. • Seek feedback from families to design field trips and program events that may be of particular interest.	• Families feel competent and confident in their parenting role. • Families have a sense of ownership and investment in the school in which their students are participating. • Families are involved in their students' learning and education and feel comfortable contributing to their school. • Families feel confident in advocating for their students and/or requesting support. • Families expand upon their leadership within their own students to help and advocate for others. • Families have an increased awareness of issues and concerns affecting and impacting other children and families. • Families feel that sharing their own experiences can be valuable learning experiences for others.

Supportive Practices of School Staff	Families Will Experience
• Create and/or support a family advisory and/or parent-teacher organization. Offer training to families on the school's board/organization governance. • Use families' experiences and expertise within your professional development. (e.g., families as co-presenters, assist with planning, families sharing personal experiences related to training topics) • Routinely investigate new state, federal, or local initiatives that may impact the school operation and recommend next steps. Provide a variety of ways for family members to participate in this process. • Provide families' encouragement and information to support their participation in other community leadership development/training opportunities. • Encourage families and connect them with professional development opportunities in the community and beyond. (e.g., families as co-presenters at conferences, families sharing personal experiences in pre-service settings, etc.) • Connect families to volunteer opportunities within their community and encourage their participation. • Recognize that families can be a strong voice as agents of change and supporters of what is working. Connect them to opportunities where they can develop and demonstrate their leadership. • Recognize that families show their leadership in varied ways. (e.g., volunteering in their neighborhood, faith-based communities, with Boy/Girl Scouts, sports coaching, etc.)	• Families have knowledge about and comfort in accessing resources to support their leadership development. • Families provide feedback to school staff on a regular basis. • Families initiate activities in the school community. • Families are confident in using their voice to show support for quality education.

STANDARD 6: Families are supported in times of transition.

BIG IDEA: There are many types of transitions, with varying degrees of impact, affecting each family and student in unique ways.
ESSENTIAL QUESTIONS: What policies and procedures are in place to support transition? How does our school coordinate transition supports and activities with other schools/community partners?

TRANSITION IS A NORMAL PART OF GROWTH IN STUDENTS AND FAMILIES DURING WHICH THERE MAY BE A RANGE OF EMOTIONS AND NEEDS. WHEN THERE ARE STRONG RELATIONSHIPS BETWEEN FAMILIES AND SCHOOLS, BOTH STUDENTS AND THEIR FAMILIES FEEL MORE SECURE THROUGHOUT THE PROCESS.

Supportive Practices of School Staff	Families Will Experience
STRAND: Family to school • Share instructional goals and philosophy of the school with families. • Ensure families are aware of timelines for program registration, policies, and practices related to transition for students, including students receiving early intervention services. • Provide opportunities for families to share information about home culture, language, and routines, and how they might enhance or impact a student's learning and participation in the school. • Create an atmosphere where families feel comfortable in sharing the transitions in their lives. • Provide specific information to families about what they can expect at the next step of transition. • Offer an opportunity for families to tour the school, observe routines, and meet key individuals, prior to the start of the new transition. • Provide networking and mentoring opportunities for families experiencing similar transitions to talk to each other. • Support and encourage families who anticipate a more challenging transition with more specific resources to assist in preparing for the transition.	• Families know that they and their students will be welcomed and have a sense of belonging in their new environment. • Families are confident in their ability to build a reciprocal relationship with their new school, teacher(s) and staff. • Families know that their students' individual strengths, needs, and learning styles will be understood and incorporated into learning.

Supportive Practices of School Staff	Families Will Experience
STRAND: Student to school • Support and encourage the child and family to observe where the child will be attending so the child can become familiar with a new classroom setting, teacher, and classmates. • Support the child to visit and participate in the next classroom setting prior to the full transition. • Share and incorporate elements of the environments of settings where children are coming from and going to. • Support the sharing of routines between families and the program and discuss any needed accommodations. • Identify strategies and supports with families to ease the children into the program and ensure ongoing reciprocal communication with the families regarding the children's adjustment to the program. • Support families to share specific information with receiving program or school for children for whom it is anticipated may have a difficult transition.	• Families are affirmed in their involvement in the transition process. • Families feel knowledgeable and comfortable about their next step and where they are currently. • Families feel comfortable asking questions and seeking additional information related to transitions.
STRAND: School to school • Develop policies and procedures to address internal and external transitions. • Gather and share information about the locations and policies of the places to where students are most likely to transition. (e.g., kindergarten) • Collaborate with receiving programs/classrooms to share information on curriculum, instructional strategies used in the program, and transition supports provided. • Collaborate with community partners (child care, preschool programs, library programs, etc.) to provide information about kindergarten registration and attendance policies with families. • Set clear expectations and ensure that staff has an understanding of their roles in supporting transitioning students into, within, and out of the program.	• Families feel supported by their current program and/or school as they transition. • Families can access a variety of strategies to ease transition.
STRAND: School in community • Provide information about the school and district, including registration policies/procedures to the community. • Be knowledgeable about community resources, in the event a significant change impacts families and staff. (e.g., natural disasters, loss, grief) • Provide information about community-wide efforts related to transition to kindergarten. • Encourage the development of and participation in a community-wide transition team that includes school district, family members, multiple early education providers, and other community partners. • Create intentional links to community partners to provide school-based screenings and other supportive services.	• Families have an understanding of the classroom/school structure. • Families have an understanding of their students' adjustment to a new setting.

Resources

APPROACHES TO LEARNING THROUGH PLAY

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LANGUAGE AND LITERACY DEVELOPMENT

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World-Class Instructional Design and Assessment (WIDA) Consortium http://www.wida.us/.

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CASEL: Collaborative for Academic, Social and Emotional Learning: www.casel.org.

Technical Assistance Center on Social and Emotional Intervention (TACSEI), www.challengingbehaviors.org.

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PARTNERSHIPS FOR LEARNING

For more information and for resources to help you design, implement, and evaluate family involvement work, consider making use of the following resources:

National Center on Parent, Family and Community Engagement http://eclkc.ohs.acf.hhs.gov/hslc/tta-system/family/center.

The Head Start Parent, Family, Community Engagement Framework http://eclkc.ohs.acf.hhs.gov/hslc/standards/im/2011/pfce-framework.pdf.

This document was prepared under Contract no. GS-10F-0311K of the Office of Head Start, Administration for Children and Families, U.S. Department of Health and Human Services, by the Head Start Resource Center, 1000 Wilson Blvd., Suite 1000, Arlington, VA 22209.

National PTA. National Standards for Family School Partnerships http://www.pta.org/files/National_Standards.pdf.

National PTA National Standards for Family School Partnerships Tools and Resources: http://www.pta.org/programs/content.cfm?ItemNumber=3126&navItemNumber=3983.

Strengthening Families™ Overview http://www.cssp.org/reform/strengthening-families/2014/SFoverview.pdf.

Cara's Kit www.NAEYC.org.

NEAYC and DEC Position statement on Inclusion.

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