



**Carpentry/Carpenter, Classification of Instructional Program (CIP) 46.0201  
Units of Instruction and Task Grid Linked to Pennsylvania Core Standards**

Secondary Competency Task Grid with Unit and Task Numbers	Common Career Technical Core Standards	Pennsylvania Core Standards for Reading for Technical Subjects Standard 3.5	Pennsylvania Core Standards for Writing for Technical Subjects Standard 3.6	Pennsylvania Core Standards for Mathematics Standard 2.1
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<p><b>100 SAFETY/OCCUPATIONAL ORIENTATION.</b></p> <p>101 Follow basic, lab and construction industry safety practices and procedures.</p> <p>102 RESERVED</p> <p>103 RESERVED</p> <p>104 Follow procedures in Safety Data Sheets (SDS) system.</p> <p>105 Identify and follow all OSHA safety standards at the construction site.</p> <p>106 RESERVED</p> <p>107 RESERVED</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b></p> <p><b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p>	<p><b>TEXT TYPES AND PURPOSE GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b> Write informative or explanatory texts, including</p>	
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		<p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b> <b>Standard CC.3.5.9-10.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b> Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 11-12</b> <b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS GRADES 9-10</b> <b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b></p>	<p>the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 9-10</b> <b>Standard CC.3.6.9-10.C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 11-12</b> <b>Standard CC.3.6.11-12 C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> <b>Standard CC.3.6.11-12.D.</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most</p>	
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		<p>Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b>  <b>GRADES 11-12</b>  <b>Standard CC.3.5.11-12.G.</b>  Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b>  Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b>  Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING</b>  <b>GRADES 9-10 and 11-12</b>  <b>Standard CC.3.5.9-10.J AND</b>  <b>Standard CC.3.5.11-12.J.</b>  By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p>significant for a specific purpose and audience.  <b>Standard CC.3.6.11-12.E.</b>  Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>RESEARCH</b>  <b>GRADES 9-10</b>  <b>Standard CC.3.6.9-10.F.</b>  Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.9-10.G.</b>  Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.9-10.H.</b>  Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RESEARCH</b>  <b>GRADES 11-12</b>  <b>Standard CC.3.6.11-12.F.</b>  Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.11-12.G.</b>  Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.11-12.H.</b>  Draw evidence from informational texts to</p>	
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			<p>support analysis, reflection, and research.</p> <p><b>RANGE OF WRITING GRADES 9-12</b></p> <p><b>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</b></p> <p>Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p> <p><b>RESEARCH TO BUILD AND PRESENT KNOWLEDGE</b></p> <p><b>Standard CC.3.6.9-12.F.</b></p> <p>Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.9-12.G.</b></p> <p>Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.9-12.H.</b></p> <p>Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RANGE OF WRITING</b></p> <p><b>Standard CC.3.6.9-12.I.</b></p> <p>Write routinely over extended time frames and shorter time frames (a single sitting) for a range of discipline specific tasks, purposes, and audiences...etc.</p>	
<b>200 HAND TOOLS.</b>				

<p>201 Use and maintain small hand tools.  202 Use and maintain sawing tools.  203 Use and maintain fastening tools.  204 Use and maintain measuring tools.  205 Use and maintain cutting tools.  206 RESERVED  207 Use and maintain ladders.  208 Use and maintain finishing tools.  209 RESERVED  210 Construct scaffolding.</p>	<p><b>CLUSTER:</b>  <b>Architecture &amp; Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b>  <b>A. Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b>  <b>Standard CC.3.5.9-10.A.</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp;</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.9-10.C</b>  Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b>  <b>Standard CC.3.5.11-12A</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b>  Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b>  <b>Standard CC.3.5.9-10.D.</b>  Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b>  Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b>  Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 11-12</b></p>		<p><b>Standard 2.1.HS.F.2</b>  Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b>  Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b>  Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b>  Extend the knowledge of arithmetic operations and apply to complex numbers.</p>
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		<p>Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING GRADES 9-10 and 11-12</b></p> <p><b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b></p> <p>By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>		
<b>300 POWER TOOLS.</b>				
<p>301 Use and maintain stationary electric power tools.</p> <p>302 Use and maintain pneumatic tool systems.</p> <p>303 Use and maintain portable electric power tools.</p> <p>304 RESERVED</p> <p>305 RESERVED</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b></p> <p><b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b></p>		<p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b> Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and apply to complex numbers.</p>

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		<p><b>INTEGRATE KNOWLEDGE/ IDEAS</b></p> <p><b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.G.</b> Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b> Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b> Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING</b></p> <p><b>GRADES 9-10 and 11-12</b></p> <p><b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b> By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>		
<b>400 BLUEPRINT READING.</b>				
<p>401 Interpret blueprints.</p> <p>402 Interpret and comprehend standard symbols and abbreviations.</p> <p>403 Interpret building specifications.</p> <p>404 Interpret a plot plan.</p> <p>405 Interpret a foundation plan.</p> <p>406 Interpret elevation plans.</p> <p>407 Interpret details and section views.</p> <p>408 Interpret floor, wall, and roof framing plans.</p> <p>409 Interpret building and zoning codes.</p> <p>410 Interpret Americans with Disabilities Act (ADA) regulations.</p>	<p><b><u>CLUSTER:</u></b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b> <b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p>	<p><b>KEY IDEAS/DETAILS</b></p> <p><b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS</b></p> <p><b>GRADES 11-12</b></p>	<p><b>TEXT TYPES AND PURPOSE</b></p> <p><b>GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p>	<p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b> Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations</p>

	<p><b>B. Identify Other Pathways?</b></p>	<p><b>Standard CC.3.5.11-12A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b> Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS GRADES 9-10</b></p>	<p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 11-12</b> <b>Standard CC.3.6.11-12 C</b></p>	<p>on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and apply to complex numbers.</p>
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<b>500 SITE PREPARATION AND LAYOUT.</b>				
<p>501 Determine factors needed to be considered before the start of a building project.</p> <p>502 Acquire a building permit.</p> <p>503 Use PA One Call System, Inc.</p> <p>504 Establish elevations and grades from benchmarks using leveling instruments.</p> <p>505 Stake out a building foundation using the Pythagorean theorem.</p> <p>506 Layout and construct batter boards.</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b> <b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b> <b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b> <b>Standard CC.3.5.11-12A</b></p>	<p><b>TEXT TYPES AND PURPOSE GRADES 9-10</b> <b>Standard CC.3.6.9-10.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b></p>	<p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b> Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p>

		<p>Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b> Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.G.</b></p>	<p><b>Standard CC.3.6.11-12.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12 C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b></p>	<p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and apply to complex numbers.</p> <p><b>Standard 2.3.HS.A.7</b> Apply trigonometric ratios to solve problems involving right triangles.</p> <p><b>Standard 2.2.HS.C.9</b> Prove the Pythagorean identity and use it to calculate trigonometric ratios.</p> <p><b>Standard 2.3.HS.A.3</b> Verify and apply geometric theorems as they relate to geometric figures.</p> <p><b>Standard 2.3.HS.A.13</b> Analyze relationships between two dimensional and three dimensional objects.</p>
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		<p>Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b> Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 11-12</b> <b>Standard CC.3.5.11-12.G.</b> Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b> Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b> Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING</b> <b>GRADES 9-10 and 11-12</b> <b>Standard CC.3.5.9-10.J AND</b> <b>Standard CC.3.5.11-12.J.</b> By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p><b>Standard CC.3.6.11-12.D.</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.11-12.E.</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>RESEARCH</b> <b>GRADES 9-10</b> <b>Standard CC.3.6.9-10.F.</b> Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.9-10.G.</b> Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.9-10.H.</b> Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RESEARCH</b> <b>GRADES 11-12</b> <b>Standard CC.3.6.11-12.F.</b> Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.11-12.G.</b></p>	
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			<p>Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.11-12.H.</b> Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RANGE OF WRITING GRADES 9-12</b></p> <p><b>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</b> Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	
<b>600 FOOTINGS AND FOUNDATIONS.</b>				
<p>601 Determine footer type.</p> <p>602 Use of leveling instruments.</p> <p>603 Establish footer lines and elevations.</p> <p>604 RESERVED</p> <p>605 Layout and construct forms for footers.</p> <p>606 Layout foundations.</p> <p>607 Layout and construct forms for concrete slabs.</p> <p>608 Install reinforcing bars.</p> <p>609 Construct vertical and horizontal frameworks.</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b> <b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b> <b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.9-10.C</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b> <b>Standard CC.3.5.11-12A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p>	<p><b>TEXT TYPES AND PURPOSE GRADES 9-10</b> <b>Standard CC.3.6.9-10.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b> <b>Standard CC.3.6.11-12.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b></p>	<p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b> Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and</p>

		<p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b> Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b></p>	<p>Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12 C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b></p> <p><b>Standard CC.3.6.11-12.D.</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on</p>	<p>apply to complex numbers.</p> <p><b>Standard 2.3.HS.A.7</b> Apply trigonometric ratios to solve problems involving right triangles.</p> <p><b>Standard 2.2.HS.C.9</b> Prove the Pythagorean identity and use it to calculate trigonometric ratios.</p> <p><b>Standard 2.3.HS.A.3</b> Verify and apply geometric theorems as they relate to geometric figures.</p> <p><b>Standard 2.3.HS.A.13</b> Analyze relationships between two dimensional and three dimensional objects.</p>
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		<p>Assess the reasoning in a text to support the author’s claim for solving a technical problem.  <b>Standard CC.3.5.9-10.I.</b>  Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b>  <b>GRADES 11-12</b>  <b>Standard CC.3.5.11-12.G.</b>  Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.  <b>Standard CC.3.5.11-12.H.</b>  Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.  <b>Standard CC.3.5.11-12.I.</b>  Synthesize information from a range of sources into a coherent understanding.  <b>RANGE OF READING</b>  <b>GRADES 9-10 and 11-12</b>  <b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b>  By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p>addressing what is most significant for a specific purpose and audience.  <b>CC.3.6.11-12.E.</b>  Use technology, including the internet, to produce, publish, and update individual or shared writing products.  <b>RESEARCH</b>  <b>GRADES 9-10</b>  <b>Standard CC.3.6.9-10.F.</b>  Conduct short and more sustained research to answer a question or solve a problem.  <b>Standard CC.3.6.9-10.G.</b>  Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.  <b>Standard CC.3.6.9-10.H.</b>  Draw evidence from informational texts to support analysis, reflection, and research.  <b>RESEARCH</b>  <b>GRADES 11-12</b>  <b>Standard CC.3.6.11-12.F.</b>  Conduct short and more sustained research to answer a question or solve a problem.  <b>Standard CC.3.6.11-12.G.</b>  Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.  <b>Standard CC.3.6.11-12.H.</b>  Draw evidence from</p>	
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			<p>informational texts to support analysis, reflection, and research.</p> <p><b>RANGE OF WRITING GRADES 9-12</b></p> <p><b>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</b></p> <p>Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	
<b>700 FRAMING - FLOOR CONSTRUCTION.</b>				
<p>701 RESERVED</p> <p>702 RESERVED</p> <p>703 Layout and install sill plates.</p> <p>704 Layout and install floor joists, including manufactured floor joists.</p> <p>705 Layout and install joists for a cantilever floor.</p> <p>706 Construct and install cross and solid bridging.</p> <p>707 Layout and install sub-flooring.</p> <p>708 Layout and construct floor openings.</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b></p> <p><b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b></p>	<p><b>TEXT TYPES AND PURPOSE GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING</b></p>	<p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b> Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and apply to complex numbers.</p> <p><b>Standard 2.3.HS.A.7</b> Apply trigonometric ratios to solve problems involving right triangles.</p> <p><b>Standard 2.2.HS.C.9</b></p>

		<p>Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b> Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE</b> <b>GRADES 11-12</b> <b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 9-10</b> <b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b> Compare and contrast findings presented in a text to those from other sources, etc...</p>	<p><b>GRADES 9-10</b> <b>Standard CC.3.6.9-10.C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING</b> <b>GRADES 11-12</b> <b>Standard CC.3.6.11-12 C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> <b>Standard CC.3.6.11-12.D.</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.11-12.E.</b> Use technology, including the internet, to produce, publish, and update</p>	<p>Prove the Pythagorean identity and use it to calculate trigonometric ratios.</p> <p><b>Standard 2.3.HS.A.3</b> Verify and apply geometric theorems as they relate to geometric figures.</p> <p><b>Standard 2.3.HS.A.13</b> Analyze relationships between two dimensional and three dimensional objects.</p>
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			<p><b>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</b></p> <p>Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	
<b>800 FRAMING - WALL CONSTRUCTION.</b>				
<p>801 RESERVED</p> <p>802 Layout and construct a wall.</p> <p>803 RESERVED</p> <p>804 Layout and construct door openings.</p> <p>805 Layout and construct window openings.</p> <p>806 Layout and construct solid headers.</p> <p>807 Layout and install sheathing.</p> <p>808 Plumb, align, and brace walls.</p> <p>809 Layout and install metal studs.</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b> <b>A. Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b> <b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.9-10.C</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b> <b>Standard CC.3.5.11-12A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b> <b>Standard CC.3.5.9-10.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b></p>	<p><b>TEXT TYPES AND PURPOSE GRADES 9-10</b> <b>Standard CC.3.6.9-10.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b> <b>Standard CC.3.6.11-12.A</b> Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b> Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 9-10</b> <b>Standard CC.3.6.9-10.C</b></p>	<p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b> Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and apply to complex numbers.</p> <p><b>Standard 2.3.HS.A.7</b> Apply trigonometric ratios to solve problems involving right triangles.</p> <p><b>Standard 2.2.HS.C.9</b> Prove the Pythagorean identity and use it to calculate trigonometric ratios.</p> <p><b>Standard 2.3.HS.A.3</b></p>

		<p>Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b> Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.G.</b></p>	<p>Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12 C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> <b>Standard CC.3.6.11-12.D.</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.11-12.E.</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p>	<p>Verify and apply geometric theorems as they relate to geometric figures.</p> <p><b>Standard 2.3.HS.A.13</b> Analyze relationships between two dimensional and three dimensional objects.</p>
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		<p>Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b> Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b> Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING GRADES 9-10 and 11-12</b> <b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b> By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p><b>RESEARCH GRADES 9-10</b> <b>Standard CC.3.6.9-10.F.</b> Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.9-10.G.</b> Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.9-10.H. -</b> Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RESEARCH GRADES 11-12</b> <b>Standard CC.3.6.11-12.F.</b> Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.11-12.G.</b> Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.11-12.H.</b> Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RANGE OF WRITING GRADES 9-12</b> <b>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</b></p>	
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			Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.		
<b>900 FRAMING - ROOF CONSTRUCTION.</b>					
901	RESERVED	<p><b><u>CLUSTER:</u></b>  <b>Architecture &amp; Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b></p> <p><b>A. Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b>  <b>Standard CC.3.5.9-10.A.</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.9-10.C</b>  Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b>  <b>Standard CC.3.5.11-12A</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b>  Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b>  <b>Standard CC.3.5.9-10.D.</b>  Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b>  Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b></p>	<p><b>TEXT TYPES AND PURPOSE GRADES 9-10</b>  <b>Standard CC.3.6.9-10.A</b>  Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.9-10.B</b>  Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>TEXT TYPES AND PURPOSE GRADES 11-12</b>  <b>Standard CC.3.6.11-12.A</b>  Write arguments focused on discipline specific content.</p> <p><b>Standard CC.3.6.11-12.B</b>  Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING GRADES 9-10</b>  <b>Standard CC.3.6.9-10.C</b>  Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b></p>	<p><b>Standard 2.1.HS.F.2</b>  Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b>  Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b>  Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b>  Extend the knowledge of arithmetic operations and apply to complex numbers.</p> <p><b>Standard 2.3.HS.A.7</b>  Apply trigonometric ratios to solve problems involving right triangles.</p> <p><b>Standard 2.2.HS.C.9</b>  Prove the Pythagorean identity and use it to calculate trigonometric ratios.</p> <p><b>Standard 2.3.HS.A.3</b>  Verify and apply geometric theorems as they relate to geometric figures.</p> <p><b>Standard 2.3.HS.A.13</b></p>
902	RESERVED				
903	Layout and install a ridge board.				
904	Layout and install common rafters.				
905	Layout and install hip and jack rafters.				
906	Layout and install roof trusses.				
907	Layout and install roof sheathing.				
908	Layout and construct roof openings.				
909	RESERVED				
910	Layout and install roofing paper.				
911	Layout and install roofing materials.				
912	Layout and install capping.				



		<p>Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b> Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.G.</b> Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b></p>	<p>Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>Standard CC.3.6.9-10.E</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>PRODUCTION &amp; DISTRIBUTION OF WRITING</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12 C</b> Produce clear and coherent writing...appropriate to task, purpose, and audience.</p> <p><b>Standard CC.3.6.9-10 D</b> <b>Standard CC.3.6.11-12.D.</b> Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p><b>CC.3.6.11-12.E.</b> Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p><b>RESEARCH</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.6.9-10.F.</b> Conduct short and more</p>	<p>Analyze relationships between two dimensional and three dimensional objects.</p>
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		<p>Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b> Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING GRADES 9-10 and 11-12</b></p> <p><b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b> By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p>sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.9-10.G.</b> Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.9-10.H.</b> Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RESEARCH GRADES 11-12</b></p> <p><b>Standard CC.3.6.11-12.F.</b> Conduct short and more sustained research to answer a question or solve a problem.</p> <p><b>Standard CC.3.6.11-12.G.</b> Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p><b>Standard CC.3.6.11-12.H.</b> Draw evidence from informational texts to support analysis, reflection, and research.</p> <p><b>RANGE OF WRITING GRADES 9-12</b></p> <p><b>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</b> Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	
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<b>1000 EXTERIOR FINISH.</b>				
1001 RESERVED 1002 RESERVED 1003 Install house wrap. 1004 Install exterior doors. 1005 Install windows. 1006 Layout and install siding. 1007 Layout and install soffits and fascias. 1008 Layout and install gutters and downspouts. 1009 Layout and install exterior stair systems.	<p><b>CLUSTER:</b>  <b>Architecture &amp; Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b></p> <p><b>A. Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp;</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.9-10.C</b>  Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12A</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b>  Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b>  Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b>  Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b>  Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE GRADES 11-12</b></p>		<p><b>Standard 2.1.HS.F.2</b>  Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b>  Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b>  Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b>  Extend the knowledge of arithmetic operations and apply to complex numbers.</p>

		<p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b> Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b> <b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.G.</b> Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b> Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b></p>		
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		<p>Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING GRADES 9-10 and 11-12</b></p> <p><b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b></p> <p>By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>		
<b>1100 INTERIOR FINISH.</b>				
1101 RESERVED 1102 RESERVED 1103 Layout, install and finish drywall. 1104 Layout and install suspended and tile ceilings. 1105 Layout and install interior doors. 1106 Layout and install door trim, casings and hardware. 1107 Layout and install window trim, casings and hardware. 1108 Layout and install baseboard and molding. 1109 Layout and install flooring materials. 1110 Layout and install interior stair systems. 1111 Install various types of insulation.	<p><b>CLUSTER:</b>  <b>Architecture &amp; Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7</p> <p><b>PATHWAYS INCLUDE</b></p> <p><b>A. Construction Careers</b>  (Choose Standards)  1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b>  Determine the central ideas or conclusions of a text; etc...  Follow precisely a complex multistep procedure, etc...</p> <p><b>KEY IDEAS/DETAILS GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12A</b>  Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b>  Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b>  Follow precisely a complex multistep procedure, etc...</p>		<p><b>Standard 2.1.HS.F.2</b>  Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b>  Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b>  Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b>  Extend the knowledge of arithmetic operations and apply to complex numbers.</p>

		<p><b>CRAFT &amp; STRUCTURE</b>  <b>GRADES 9-10</b>  <b>Standard CC.3.5.9-10.D.</b>  Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b>  Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b>  Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE</b>  <b>GRADES 11-12</b>  <b>Standard CC.3.5.11-12.D.</b>  Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b>  Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b>  Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b>  <b>GRADES 9-10</b>  <b>Standard CC.3.5.9-10.G.</b>  Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b>  Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b></p>		
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		<p>Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b></p> <p><b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.G.</b> Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b> Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b> Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING</b></p> <p><b>GRADES 9-10 and 11-12</b></p> <p><b>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</b> By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>		
	<b>1200 ESTIMATION.</b>			
<p>1201 Estimate the cost and amount bricks and blocks needed to complete a given task.</p> <p>1202 Estimate the cost and amount of concrete needed to complete a given task.</p> <p>1203 Estimate the cost and amount of materials to finish an exterior wall.</p> <p>1204 Estimate the cost and amount of materials to finish an interior wall.</p> <p>1205 Estimate the cost and amount of materials to construct a finished floor.</p>	<p><b>CLUSTER:</b> <b>Architecture &amp; Construction Careers</b> (Choose Standards) 1-2-3-4-5-6-7</p> <p><b>PATHWAYS</b> <b>INCLUDE</b> <b>A. Construction Careers</b> (Choose Standards)</p>	<p><b>KEY IDEAS/DETAILS</b></p> <p><b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.A.</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.9-10B &amp; Standard CC.3.5.9-10.C</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.9-10.C</b> Follow precisely a complex multistep procedure, etc...</p>		<p><b>Standard 2.1.HS.F.1</b> Apply and extend the properties of exponents to solve problems with rational exponents.</p> <p><b>Standard 2.1.HS.F.2</b> Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p><b>Standard 2.1.HS.F.4</b></p>

<p>1206 Estimate the cost and amount of materials to construct a finished roof.</p> <p>1207 Estimate the cost and amount of materials to install siding for a house.</p>	<p>1-2-3-4-5-6-7-8-9</p> <p><b>B. Identify Other Pathways?</b></p>	<p><b>KEY IDEAS/DETAILS</b></p> <p><b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.A</b> Cite specific textual evidence, etc....</p> <p><b>Standard CC.3.5.11-12.B.</b> Determine the central ideas or conclusions of a text; etc...</p> <p><b>Standard CC.3.5.11-12.C.</b> Follow precisely a complex multistep procedure, etc...</p> <p><b>CRAFT &amp; STRUCTURE</b></p> <p><b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.9-10.E</b> Analyze the structure of the relationships among concepts in a text. etc.</p> <p><b>Standard CC.3.5.9-10.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p><b>CRAFT &amp; STRUCTURE</b></p> <p><b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.D.</b> Determine the meaning of symbols, key terms, and other domain specific words...</p> <p><b>Standard CC.3.5.11-12.E.</b> Analyze the structure of the relationships among concepts in a text.</p> <p><b>Standard CC.3.5.11-12.F</b> Analyze the author’s purpose in providing an explanation, describing a procedure...</p>		<p>Use units as a way to understand problems and to guide the solution of multistep problems.</p> <p><b>Standard 2.1.HS.F.5</b> Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p><b>Standard 2.1.HS.F.6</b> Extend the knowledge of arithmetic operations and apply to complex numbers.</p>
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		<p><b>INTEGRATE KNOWLEDGE/ IDEAS</b></p> <p><b>GRADES 9-10</b></p> <p><b>Standard CC.3.5.9-10.G.</b> Translate quantitative or technical information expressed in a text into visual form (e.g. a table or chart).</p> <p><b>Standard CC.3.5.9-10.H.</b> Assess the reasoning in a text to support the author’s claim for solving a technical problem.</p> <p><b>Standard CC.3.5.9-10.I.</b> Compare and contrast findings presented in a text to those from other sources, etc...</p> <p><b>INTEGRATE KNOWLEDGE/ IDEAS</b></p> <p><b>GRADES 11-12</b></p> <p><b>Standard CC.3.5.11-12.G.</b> Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p><b>Standard CC.3.5.11-12.H.</b> Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p><b>Standard CC.3.5.11-12.I.</b> Synthesize information from a range of sources into a coherent understanding.</p> <p><b>RANGE OF READING</b> <b>GRADES 9-10 and 11-12</b></p> <p><b>Standard CC.3.5.9-10.J AND</b> <b>Standard CC.3.5.11-12.J.</b> By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>		
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