

Computer Technology & Computer Systems Technology Classification of Instructional Program (CIP) 15.1202

Units of Instruction and Task Grid Linked to Pennsylvania Core Standards

100 Demonstrate Knowledge of Personal and Environmental Safety

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
<p>101 List common causes of accidents and injuries in a computer facility.</p> <p>102 Wear personal protective equipment, e.g. safety glasses, hearing protection, and respiratory protection, as needed.</p> <p>103 List and identify safety hazard symbols.</p> <p>104 Review Safety Data Sheets (SDS) and explain their requirements in handling hazardous materials.</p> <p>105 Describe types of fire extinguishers and explain which types to use for extinguishing various fires.</p> <p>106 Demonstrate safe procedures to follow when lifting and carrying heavy objects.</p> <p>107 Describe the importance of safety as it relates to environmental issues.</p> <p>108 Identify potential hazards when working with power supplies.</p> <p>109 Identify proper disposal procedures for batteries and display devices.</p> <p>110 Identify proper disposal procedures for chemical solvents and pressurized cans.</p> <p>111 Describe the meaning and importance of the Energy Star Rating System.</p> <p>112 Configure a computer's power management settings to maximize energy efficiency.</p> <p>113 Maintaining a safe work area to avoid common accidents and injuries.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: <i>1 Installation Support & Services</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: <i>Network Systems</i> Choose Standards 1-2-3-4-5</p> <p>Pathway 3: <i>Programming & Software Development</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E</p>	<p>ALGEBRA I Standard. 2.1.HS.F.1 Apply and extend the properties of exponents to solve problems with rational exponents.</p> <p>Standard. 2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real world or mathematical problems.</p> <p>Standard. 2.1.HS.F.4 Use units as a way to understand problems and to guide the solution of multi-step problems.</p> <p>Standard. 2.1.HS.F.5 Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p>Standard. 2.1.HS.F.6 Extend the knowledge of arithmetic operations and apply to complex numbers.</p> <p>ALGEBRA II Standard 2.4.HS.B.2 Summarize, represent, and interpret data on two categorical and quantitative variables.</p> <p>Standard CC.2.4.HS.B.4 - Recognize and evaluate random</p>

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			<p>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	<p>. CC.2.1.HS.F.3 - Apply quantitative reasoning to choose and Interpret units and scales in formulas, graphs and data displays</p>

200 Demonstrate Knowledge of Computing Fundamentals

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<p>201 Identify the various types of computers people use in the modern world.</p> <p>202 Identify computer hardware components and their functions.</p> <p>203 Identify appropriate computer equipment and peripheral for a given specific situation and budget.</p> <p>204 Describe the interaction between software and hardware.</p> <p>205 Describe the difference between applications software and system software.</p> <p>206 Identify the functions of an operating system.</p> <p>207 Describe the various components of a graphical user interface based operating system.</p> <p>208 Demonstrate the ability to use a graphical user interface based operating system.</p>	<p>CLUSTER: Information Technology Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: 1 Installation Support & Services Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: Network Systems Choose Standards 1-2-3-4-5</p> <p>Pathway 3: Programming & Software Development Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 WEB & Digital Communications Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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300 Use Productivity Software

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<p>301 List and describe several common application software suites.</p> <p>302 Reserved.</p> <p>303 Reserved.</p> <p>304 Reserved.</p> <p>305 Reserved.</p> <p>306 Reserved.</p> <p>307 Reserved.</p> <p>308 Reserved.</p> <p>309 Reserved.</p> <p>310 Reserved.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: <i>1 Installation Support & Services</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: <i>Network Systems</i> Choose Standards 1-2-3-4-5</p> <p>Pathway 3: <i>Programming & Software Development</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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400 Demonstrate Internet Applications

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<p>401 Describe appropriate email etiquette.</p> <p>402 Send, receive and manage email documents and attachments.</p> <p>403 Identify the source of an internet document based on its URL.</p> <p>404 Describe common ethical issues with downloading legal and illegal documents software.</p> <p>405 Demonstrate how to use a web browser to effectively search the internet and retrieve specified information.</p> <p>406 Describe common uses of cloud computing for at work, school, and home.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: <i>1 Installation Support & Services</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: <i>Network Systems</i> Choose Standards 1-2-3-4-5</p> <p>Pathway 3: <i>Programming & Software Development</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10)</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6..11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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		<p>Standard CC.3.5.9-10.G. Translate quantitative or technical information expressed in a text into visual form (e.g., a table or chart)</p> <p>Standard CC.3.5.9-10.H. Assess the reasoning in a text to support the author's claim for solving a technical problem.</p> <p>Standard CC.3.5.9-10.I. Compare and contrast findings presented in a text to those from other sources, etc...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS FOR GRADE 11-12</p> <p>Standard CC.3.5.11-12.G. Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem.</p> <p>Standard CC.3.5.11-12.H. Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible.</p> <p>Standard CC.3.5.11-12.I. Synthesize info. from a range of sources into a coherent understanding .</p> <p>RANGE OF READING FOR GRADES 9-10 and 11-12</p> <p>Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J. By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p>or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.</p> <p>CC.3.6.11-12.E. Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>"RESEARCH" FOR GRADES 9-10</p> <p>St.CC.3.6.9-10.F. Conduct short and more sustained research to answer a question or solve a problem.;</p> <p>St.CC.3.6.9-10.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>St. CC.3.6.9-10.H. - Draw evidence from informational texts to support analysis, reflection, and research.</p> <p>"RESEARCH" FOR GRADES 11-12</p> <p>St.CC.3.6.11-12.F. Conduct short and more sustained research to answer a question or solve a problem.;</p> <p>St.CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>St. CC.3.6.11-12.H. - Draw evidence from informational texts to support analysis, reflection, and research.</p> <p>RANGE OF WRITING FOR ALL GRADES 9-12</p> <p>Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	

500 Demonstrate Knowledge of Computer Hardware

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
<p>501 Describe and categorize storage devices and backup media.</p> <p>502 Explain the operation of a motherboard and its components, types and features.</p> <p>503 Categorize power supplies types and characteristics.</p> <p>504 Explain the purpose and characteristics of CPUs and their features.</p> <p>505 Explain cooling methods and devices.</p> <p>506 Compare and contrast memory types, characteristics and their purpose.</p> <p>507 Explain the characteristics of various monitors, and display devices.</p> <p>508 Install and configure peripherals and input devices.</p> <p>509 Explain the function and types of adapter cards.</p> <p>510 Install, configure and optimize laptop components and features.</p> <p>511 Given a scenario, install, configure and maintain the components of a desk top computer.</p> <p>512 Given a scenario, detect problems, troubleshoot, and repair/replace the components of a desk top computer.</p> <p>513 Given a scenario, diagnose and repair common printer issues.</p> <p>514 Calculate voltage, wattage, and capacity of power supply.</p> <p>515 Explain the purpose of CPU and case fans air flow directions.</p>	<p>CLUSTER: Information Technology Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: 1 Installation Support & Services Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: Network Systems Choose Standards 1-2-3-4-5</p> <p>Pathway 3: Programming & Software Development Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 WEB & Digital Communications Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>		

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
		<p>Translate quantitative or technical information expressed in a text into visual form (e.g., a table or chart) Standard CC.3.5.9-10.H. Assess the reasoning in a text to support the author's claim for solving a technical problem. Standard CC.3.5.9-10.I. Compare and contrast findings presented in a text to those from other sources, etc... INTEGRATE KNOWLEDGE/ IDEAS FOR GRADE 11-12 Standard CC.3.5.11-12.G. Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem. Standard CC.3.5.11-12.H. Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible. Standard CC.3.5.11-12.I. Synthesize info. from a range of sources into a coherent understanding . RANGE OF READING FOR GRADES 9-10 and 11-12 Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J. By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>		

600 Demonstrate Knowledge of Troubleshooting, Repair, and Maintenance

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
<p>601 Describe and explain the troubleshooting theory.</p> <p>602 Describe, explain and interpret common hardware and operating system symptoms and their causes.</p> <p>603 Describe and determine the troubleshooting methods and tools for printers.</p> <p>604 Describe and interpret common laptop issues and determine the appropriate basic troubleshooting method.</p> <p>605 Describe and apply common preventative maintenance techniques for computers.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: <i>1 Installation Support & Services</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: <i>Network Systems</i> Choose Standards 1-2-3-4-5</p> <p>Pathway 3: <i>Programming & Software Development</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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
		<p>Translate quantitative or technical information expressed in a text into visual form (e.g., a table or chart) Standard CC.3.5.9-10.H.</p> <p>Assess the reasoning in a text to support the author's claim for solving a technical problem. Standard CC.3.5.9-10.I.</p> <p>Compare and contrast findings presented in a text to those from other sources, etc... INTEGRATE KNOWLEDGE/ IDEAS FOR GRADE 11-12 Standard CC.3.5.11-12.G.</p> <p>Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem. Standard CC.3.5.11-12.H.</p> <p>Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible. Standard CC.3.5.11-12.I.</p> <p>Synthesize info. from a range of sources into a coherent understanding . RANGE OF READING FOR GRADES 9-10 and 11-12 Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</p> <p>By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p>or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience. CC.3.6.11-12.E. Use technology, including the Internet, to produce, publish, and update individual or shared writing products. "RESEARCH" FOR GRADES 9-10 St.CC.3.6.9-10.F. Conduct short and more sustained research to answer a question or solve a problem.;</p> <p>St.CC.3.6.9-10.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>St. CC.3.6.9-10.H. - Draw evidence from informational texts to support analysis, reflection, and research. "RESEARCH" FOR GRADES 11-12 St.CC.3.6.11-12.F. Conduct short and more sustained research to answer a question or solve a problem.;</p> <p>St.CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>St. CC.3.6.11-12.H. - Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING FOR ALL GRADES 9-12 Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</p> <p>Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	

700 Demonstrate Knowledge of Operating Systems and Software

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
<p>701 Compare and contrast the different operating systems and their features.</p> <p>702 Given a scenario, demonstrate proper use of user interfaces.</p> <p>703 Explain the process and steps to install and configure an operating system.</p> <p>704 Explain the basics of boot sequences, methods and startup utilities.</p> <p>705 Select the appropriate commands and options to troubleshoot and resolve problems.</p> <p>706 Explain the difference between various operating system directory structures.</p> <p>707 Identify and use system utilities/tools and evaluate the results.</p> <p>708 Evaluate and resolve common OS (Operating System) and software issues.</p> <p>709 Explain and demonstrate knowledge of the Command Line interface.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: 1 Installation Support & Services Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: Network Systems Choose Standards 1-2-3-4-5</p> <p>Pathway 3: Programming & Software Development Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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		<p>Translate quantitative or technical information expressed in a text into visual form (e.g., a table or chart) Standard CC.3.5.9-10.H.</p> <p>Assess the reasoning in a text to support the author's claim for solving a technical problem. Standard CC.3.5.9-10.I.</p> <p>Compare and contrast findings presented in a text to those from other sources, etc... INTEGRATE KNOWLEDGE/ IDEAS FOR GRADE 11-12 Standard CC.3.5.11-12.G.</p> <p>Integrate and evaluate multiple sources of information presented in diverse formats... to solve a problem. Standard CC.3.5.11-12.H.</p> <p>Evaluate the hypotheses, data, analysis, and conclusions in a technical text, verifying the data when possible. Standard CC.3.5.11-12.I.</p> <p>Synthesize info. from a range of sources into a coherent understanding . RANGE OF READING FOR GRADES 9-10 and 11-12 Standard CC.3.5.9-10.J AND Standard CC.3.5.11-12.J.</p> <p>By the end of grades 9- 10, AND 11-12, read and comprehend technical texts independently and proficiently.</p>	<p>or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience. CC.3.6.11-12.E. Use technology, including the Internet, to produce, publish, and update individual or shared writing products. "RESEARCH" FOR GRADES 9-10 St.CC.3.6.9-10.F. Conduct short and more sustained research to answer a question or solve a problem.;</p> <p>St.CC.3.6.9-10.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>St. CC.3.6.9-10.H. - Draw evidence from informational texts to support analysis, reflection, and research. "RESEARCH" FOR GRADES 11-12 St.CC.3.6.11-12.F. Conduct short and more sustained research to answer a question or solve a problem.;</p> <p>St.CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>St. CC.3.6.11-12.H. - Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING FOR ALL GRADES 9-12 Standard CC.3.5.9-10.I AND Standard CC.3.5.11-12.I.</p> <p>Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiences...etc.</p>	

800 Demonstrate Knowledge of Networking

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
<p>801 Describe common types of computer networks based on their scope of coverage.</p> <p>802 Describe how computer networks, telephone networks and the internet are related.</p> <p>803 Define networking fundamentals, technologies, devices and protocols.</p> <p>804 Describe, fabricate, and test network cables and connectors.</p> <p>805 Compare and contrast various types of wired and wireless networks.</p> <p>806 Demonstrate how to use the appropriate tools to troubleshoot problems of network connectivity.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: <i>1 Installation Support & Services</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: <i>Network Systems</i> Choose Standards 1-2-3-4-5</p> <p>Pathway 3: <i>Programming & Software Development</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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900 Demonstrate Knowledge of Security

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
<p>901 Explain the ethical, legal and security issues related to handling data.</p> <p>902 Identify security features including wireless encryption, and malicious software protection.</p> <p>903 Identify security, password management, locking workstations, and biometrics.</p> <p>904 Troubleshoot, remove and prevent viruses and malware.</p> <p>905 Implement security and troubleshoot common issues.</p> <p>906 Describe the ethical, security, and privacy issues involved in posting information about yourself and others on social networking sites, including blogs.</p>	<p>CLUSTER: Information Technology Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: 1 Installation Support & Services Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: Network Systems Choose Standards 1-2-3-4-5</p> <p>Pathway 3: Programming & Software Development Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 WEB & Digital Communications Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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1000 Providing Customer Service

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<p>1001 Demonstrate the use of effective communication with customers.</p> <p>1002 Demonstrate techniques to solve customer problems.</p> <p>1003 Utilize the team approach to deliver customer service.</p>	<p>CLUSTER: <i>Information Technology</i> Choose Cluster Standards 1-2-3-4-5-6-7-8-9-10</p> <p>4 PATHWAYS: Pathway 1: <i>1 Installation Support & Services</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 2: <i>Network Systems</i> Choose Standards 1-2-3-4-5</p> <p>Pathway 3: <i>Programming & Software Development</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p> <p>Pathway 4 <i>WEB & Digital Communications</i> Choose Standards 1-2-3-4-5-6-7-8-9-10</p>	<p>KEY IDEAS/DETAILS FOR GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS FOR GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc....</p> <p>Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc...</p> <p>Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE FOR GRADE 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text, etc.</p> <p>Standard CC.3.5.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE FOR GRADE 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain-specific words...</p> <p>Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text,</p> <p>Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G.</p>	<p>TEXT TYPES AND PURPOSE FOR GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.9-10.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>TEXT TYPES AND PURPOSE FOR GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content.</p> <p>Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DIST. OF WRITING- GR.9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D 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>Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DIST. OF WRITING- GR.11-12 St. CC.3.6.11-12 C Produce clear and coherent writing ...appropriate to task, purpose, and audience.</p> <p>Standard CC.3.6.9-10 D St.CC.3.6.11-12.D.- Develop and strengthen writing as needed by planning, revising, editing, rewriting,</p>	

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