



**Cabinetmaking and Millwork, Classification of Instructional Program (CIP) 48.0703
Units of Instruction and Task Grid Linked to Pennsylvania Core Standards**

Secondary Competency Task List 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 2.0
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<p>100. DEMONSTRATE PERSONAL SAFETY.</p> <p>101 Demonstrate knowledge of general safety rules for working in the cabinetmaking lab.</p> <p>102 Identify cabinetmaking lab tools and equipment.</p> <p>103 State and follow rules for electrical safety.</p> <p>104 State and follow rules for fire safety.</p> <p>105 State and follow rules for general housekeeping.</p> <p>106 State and follow rules for material handling safety.</p> <p>107 State and follow rules for eye protection.</p> <p>108 State and follow rules for hearing protection.</p> <p>109 State and follow rules for respiratory protection.</p> <p>110 State and follow rules for hand tool safety.</p> <p>111 State and follow rules for power equipment safety.</p> <p>112 State and follow rules for portable electric hand tool safety.</p> <p>113 State and follow rules for Material Safety Data Sheets (MSDS).</p> <p>114 State and follow rules for ECP (exposure control procedures, blood borne pathogens, etc.)</p> <p>115 Demonstrate work ethics.</p>	<p>CLUSTER: <i>Architecture and Construction-related Careers</i></p> <p>Choose Cluster Standards from: 1-2-3-4-5-6-7</p> <p>PATHWAY: <i>Construction Careers</i></p> <p>Choose Standards from: 1-2-3-4-5-6-7-8-9</p>	<p>KEY IDEAS/DETAILS GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc...</p> <p>Standard CC.3.5.9-10B & Standard CC.3.5.9-10.C Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS 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 GRADES 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</p>	<p>TEXT TYPES AND PURPOSE GRADES 9-10 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 GRADES 11-12 Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DISTRIBUTION OF WRITING GRADES 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.E Use technology, including the internet, to produce, publish, and update</p>	
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		<p>Analyze the structure of the relationships among concepts in a text. etc. Standard CC.3.5.9-10.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE GRADES 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain specific words... Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text. Standard CC.3.5.11-12.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS GRADES 9-10 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). 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</p>	<p>individual or shared writing products.</p> <p>PRODUCTION & DISTRIBUTION OF WRITING GRADES 11-12 Standard CC.3.6.11-12 C Produce clear and coherent writing...appropriate to task, purpose, and audience. CC.3.6.11-12.E.Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p>RANGE OF WRITING GRADES 9-10-11-12 Standard CC.3.5.9-10.I 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>	

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		<p>other sources, etc...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS GRADES 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 information from a range of sources into a coherent understanding.</p> <p>RANGE OF READING GRADES 9-10-11-12 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>		
<p>200. DEMONSTRATE KNOWLEDGE OF LUMBER & CABINETMAKING MATERIALS.</p>				
<p>201 Identify parts of the tree. 202 Describe methods of sawing timber into lumber. 203 Explain methods of drying green lumber. 204 Describe and identify defects in lumber. 205 Name various types of wood and lumber used to build cabinets. 206 Explain how cabinet lumber is graded. 207 Explain the differences between cabinet lumber and</p>	<p>CLUSTER: <i>Architecture and Construction-related Careers</i></p> <p>Choose Cluster Standards from: 1-2-3-4-5-6-7</p>	<p>KEY IDEAS/DETAILS GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc... Standard CC.3.5.9-10B & Determine the central ideas or conclusions of a text; etc... Standard CC.3.5.9-10.C Follow precisely a complex</p>		

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<p>construction grade lumber. 208 Identify particle board. 209 Identify medium density fiberboard. 210 Identify oriented strand board. 211 Describe laminated wood products.</p>	<p>PATHWAY: <i>Construction Careers</i> Choose Standards from: 1-2-3-4-5-6-7- 8-9</p>	<p>multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc... Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc... Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE GRADES 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain specific words... Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text. etc. Standard CC.3.5.9-10.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE GRADES 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain specific words... Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a</p>		

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		<p>text. Standard CC.3.5.11-12.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS GRADES 9-10 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). 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...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS GRADES 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 information from a range of sources into a coherent</p>		

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		<p>understanding.</p> <p>RANGE OF READING GRADES 9-10-11-12 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>		
300. READ BLUEPRINTS.				
<p>301 Demonstrate knowledge of trade terminology. 302 Draw a sketch of a product. 303 Dimension a sketch of a product. 304 Lay out construction details. 305 Calculate scaled dimensions using an architect's rule. 306 Sketch an orthographic projection (3 view) drawing of a cabinet 307 Sketch a floor plan. 308 Sketch and read a floor plan. 309 Design a kitchen and determine its cost. 310 Sketch drawings of cabinets. 311 Lay out stock for cabinets.</p>	<p>CLUSTER: <i>Architecture and Construction-related Careers</i></p> <p>Choose Cluster Standards from: 1-2-3-4-5-6-7</p> <p>PATHWAY: <i>Construction Careers</i></p> <p>Choose Standards from: 1-2-3-4-5-6-7-8-9</p>	<p>KEY IDEAS/DETAILS GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc...</p> <p>Standard CC.3.5.9-10B & Standard CC.3.5.9-10.C Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc...</p> <p>Standard CC.3.5.11-12.B. Standard CC.3.5.11-12.C. Determine the central ideas or conclusions of a text; etc... Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE GRADES 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols,</p>	<p>TEXT TYPES AND PURPOSE 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 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 &</p>	

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		<p>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 GRADES 11-12</p> <p>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 GRADES 9-10</p> <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>DISTRIBUTION OF WRITING GRADES 9-10</p> <p>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 & DISTRIBUTION OF WRITING GRADES 11-12</p> <p>Standard 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 Standard CC.3.6.11-12.D. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on</p>	

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<p>400. DEMONSTRATE THE PROPER USE OF HAND TOOLS.</p>				
<p>401 Measure with a 6 foot rule or tape measure 402 Lay out an arc or circle with trammel points. 403 Identify various types of hand planes. 404 Set up a hand plane for use. 405 Plane stock with a hand plane safely. 406 Demonstrate how to use a file to sharpen edges. 407 Demonstrate how to use a compass. 408 Demonstrate how to use a framing square. 409 Demonstrate how to square an angle with a try square. 410 Demonstrate how to use a combination square. 411 Demonstrate how to transfer an angle with a sliding T-bevel square. 412 Demonstrate how to use a level to check plumb and level. 413 Drive and draw nails. 414 Demonstrate how to use various handsaws. 415 Demonstrate how to use chisels.</p>	<p>CLUSTER: <i>Architecture and Construction-related Careers</i></p> <p>Choose Cluster Standards from: 1-2-3-4-5-6-7</p> <p>PATHWAY: <i>Construction Careers</i></p> <p>Choose Standards from: 1-2-3-4-5-6-7-8-9</p>	<p>KEY IDEAS/DETAILS GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc... Standard CC.3.5.9-10B & Standard CC.3.5.9-10.C Determine the central ideas or conclusions of a text; etc... Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc... Standard CC.3.5.11-12.B.</p>	<p>TEXT TYPES AND PURPOSE GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline specific content. 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 GRADES 11-12</p>	<p>ALGEBRA Standard. 2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real world or mathematical problems. Standard. 2.1.HS.F.4 Use units as a way to understand problems and to guide the solution of multistep problems. Standard. 2.1.HS.F.5 Choose a level of accuracy appropriate to limitations on measurement when reporting quantities. Standard. 2.1.HS.F.6 Extend the knowledge of</p>

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416 Demonstrate how to use a screwdriver to install screws.		<p>Determine the central ideas or conclusions of a text; etc... Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE GRADES 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain specific words... Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text. etc. Standard CC.3.5.9-10.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE GRADES 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain specific words... Standard CC.3.5.11-12.E. Analyze the structure of the relationships among concepts in a text. Standard CC.3.5.11-12.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>INTEGRATE KNOWLEDGE/</p>	<p>Standard CC.3.6.11-12.A Write arguments focused on discipline specific content. Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DISTRIBUTION OF WRITING GRADES 9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing...appropriate to task, purpose, and audience. 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. 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 & DISTRIBUTION OF WRITING GRADES 11-12</p>	<p>arithmetic operations and apply to complex numbers. Standard CC.2.2.HS.D.3 Extend the knowledge of arithmetic operations and apply to polynomials. Standard CC.2.2.HS.D.5 Use polynomial identities to solve problems. Standard CC.2.2.HS.D.9 Use reasoning to solve equations and justify the solution method. Standard CC.2.1.HS.F.3 Apply quantitative reasoning to choose and interpret units and scales in formulas, graphs and data displays.</p> <p>GEOMETRY Standard CC.2.3.HS.A.1 Use geometric figures and their properties to represent transformations in the plane. Standard CC.2.3.HS.A.2 Apply rigid transformations to determine and explain congruence. Standard C.2.3.HS.A.3 Verify and apply geometric theorems as they relate to geometric figures. Standard CC.2.3.HS.A.4 Apply the concept of congruence to create geometric constructions. Standard CC.2.3.HS.A.5 Create justifications based on transformations to establish</p>

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500. PERFORM SAFE SHARPENING PROCEDURES.				
501 Demonstrate how to sharpen a plane iron. 502 Demonstrate how to sharpen a wood chisel. 503 Demonstrate how to sharpen a spade bit. 504 Demonstrate how to sharpen twist drill bits. 505 Demonstrate how to sharpen a cabinet scraper.	CLUSTER: <i>Architecture and Construction- related Careers</i> Choose Cluster	KEY IDEAS/DETAILS GRADES 9-10 Standard CC.3.5.9-10.A. Cite specific textual evidence, etc... Standard CC.3.5.9-10B & Determine the central ideas or	TEXT TYPES AND PURPOSE GRADES 9-10 Standard CC.3.6.9-10.A Write arguments focused on discipline specific	ALGEBRA Standard. 2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real world or mathematical problems. Standard. 2.1.HS.F.4

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	<p>Standards from: 1-2-3-4-5-6-7</p> <p>PATHWAY: <i>Construction Careers</i> Choose Standards from: 1-2-3-4-5-6-7- 8-9</p>	<p>conclusions of a text; etc... Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc...</p> <p>KEY IDEAS/DETAILS GRADES 11-12 Standard CC.3.5.11-12A Cite specific textual evidence, etc... Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text; etc... Standard CC.3.5.11-12.C. Follow precisely a complex multistep procedure, etc...</p> <p>CRAFT & STRUCTURE GRADES 9-10 Standard CC.3.5.9-10.D. Determine the meaning of symbols, key terms, and other domain specific words... Standard CC.3.5.9-10.E Analyze the structure of the relationships among concepts in a text. etc. Standard CC.3.5.9-10.F Analyze the author’s purpose in providing an explanation, describing a procedure...</p> <p>CRAFT & STRUCTURE GRADES 11-12 Standard CC.3.5.11-12.D. Determine the meaning of symbols, key terms, and other domain specific words...</p>	<p>content. 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 GRADES 11-12 Standard CC.3.6.11-12.A Write arguments focused on discipline specific content. Standard CC.3.6.11-12.B Write informative or explanatory texts, including the narration of technical processes, etc.</p> <p>PRODUCTION & DISTRIBUTION OF WRITING GRADES 9-10 Standard CC.3.6.9-10.C Produce clear and coherent writing...appropriate to task, purpose, and audience. 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. Standard CC.3.6.9-10.E</p>	<p>Use units as a way to understand problems and to guide the solution of multistep problems. Standard. 2.1.HS.F.5 Choose a level of accuracy appropriate to limitations on measurement when reporting quantities. Standard. 2.1.HS.F.6 Extend the knowledge of arithmetic operations and apply to complex numbers. Standard CC.2.2.HS.D.3 Extend the knowledge of arithmetic operations and apply to polynomials. Standard CC.2.2.HS.D.5 Use polynomial identities to solve problems. Standard CC.2.2.HS.D.9 Use reasoning to solve equations and justify the solution method. Standard CC.2.1.HS.F.3 Apply quantitative reasoning to choose and interpret units and scales in formulas, graphs and data displays.</p> <p>GEOMETRY Standard CC.2.3.HS.A.1 Use geometric figures and their properties to represent transformations in the plane. Standard CC.2.3.HS.A.2 Apply rigid transformations to determine and explain congruence.</p>

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		<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 GRADES 9-10 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). 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...</p> <p>INTEGRATE KNOWLEDGE/ IDEAS GRADES 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.</p>	<p>Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p>PRODUCTION & DISTRIBUTION OF WRITING GRADES 11-12 Standard CC.3.6.11-12 C Produce clear and coherent writing...appropriate to task, purpose, and audience. Standard CC.3.6.9-10 D Standard CC.3.6.11-12.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. Standard CC.3.6.11-12.E. Use technology, including the internet, to produce, publish, and update individual or shared writing products.</p> <p>RESEARCH GRADES 9-10 Standard CC.3.6.9-10.F. Conduct short and more sustained research to answer a question or solve a problem.</p>	<p>Standard C.2.3.HS.A.3 Verify and apply geometric theorems as they relate to geometric figures. Standard CC.2.3.HS.A.4 Apply the concept of congruence to create geometric constructions. Standard CC.2.3.HS.A.5 Create justifications based on transformations to establish similarity of plane figures. Standard CC.2.3.HS.A.6 Verify and apply theorems involving similarity as they relate to plane figures. Standard CC.2.3.HS.A.7 Apply trigonometric ratios to solve problems involving right triangles. Standard CC.2.3.HS.A.8 Apply geometric theorems to verify properties of circles. Standard CC.2.3.HS.A.9 Extend the concept of similarity to determine arc lengths and areas of sectors of circles. Standard CC.2.3.HS.A.10 Translate between the geometric description and the equation for a conic section. Standard CC.2.3.HS.A.11 Apply coordinate geometry to prove simple geometric theorems algebraically. Standard CC.2.3.HS.A.12 Explain volume formulas and</p>

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		<p>Standard CC.3.5.11-12.I. Synthesize information from a range of sources into a coherent understanding.</p> <p>RANGE OF READING GRADES 9-10-11-12 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>	<p>Standard CC.3.6.9-10.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>Standard CC.3.6.9-10.H. Draw evidence from informational texts to support analysis, reflection, and research.</p> <p>RESEARCH GRADES 11-12 Standard CC.3.6.11-12.F. Conduct short and more sustained research to answer a question or solve a problem.</p> <p>Standard CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.</p> <p>Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research.</p> <p>RANGE OF WRITING GRADES 9-10-11-12 Standard CC.3.5.9-10.I Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a</p>	<p>use them to solve problems.</p> <p>Standard CC.2.3.HS.A.13 Analyze relationships between two dimensional and three dimensional objects.</p> <p>Standard CC.2.3.HS.A.14 Apply geometric concepts to model and solve real world problems.</p>

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			range of tasks, purposes and audiences...etc.	