

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

Pennsylvania Core Standards for

Pennsylvania Core

Pennsylvania Core

Common Career

Secondary Competency Task Grid

with Unit and Task Numbers	Technical Core Standards	Reading for Technical Subjects Standard 3.5	Standards for Writing for Technical Subjects Standard 3.6	Standards for Mathematics Standard 2.1
100 SAFETY/OCCUPATIONAL ORIENTATION. 101 Follow basic, lab and construction industry safety practices and procedures. 102 RESERVED 103 RESERVED 104 Follow procedures in Safety Data Sheets (SDS) system. 105 Identify and follow all OSHA safety standards at the construction site. 106 RESERVED 107 RESERVED	CLUSTER: Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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	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. 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	

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...

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...

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.

the narration of technical processes, etc.

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.

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

Compare and contrast findings presented in a text to those from other sources, etc... 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.

RANGE OF READING **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.

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.

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.

Standard CC.3.6.9-10.G.

Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.

Standard CC.3.6.9-10.H.

Draw evidence from informational texts to support analysis, reflection, and research.

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.

Standard CC.3.6.11-12.G.

Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.

Standard CC.3.6.11-12.H.

Draw evidence from informational texts to

	support analysis, reflection,
	and research.
	RANGE OF WRITING
	GRADES 9-12
	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 audiencesetc.
	RESEARCH TO BUILD
	AND PRESENT
	KNOWLEDGE
	Standard CC.3.6.9-12.F.
	Conduct short and more
	sustained research to
	answer a question or solve
	a problem.
	Standard CC.3.6.9-12.G.
	Gather relevant information
	from multiple authoritative
	print and digital sources,
	following a standard format
	for citation.
	Standard CC.3.6.9-12.H.
	Draw evidence from
	informational texts to
	support analysis, reflection,
	and research.
	RANGE OF WRITING
	Standard CC.3.6.9-12.I.
	Write routinely over
	extended time frames and
	shorter time frames (a
	single sitting) for a range
	of discipline specific tasks,
	purposes, and audiencesetc.
	audiencesetc.
200 HAND TOOLS.	
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Use and maintain small hand tools. CLISTER: Construction Careers Choose Standards 1-2-3-4-5-6-7 Standard CC.3.5.9-10.A.				T	T	,
203 Use and maintain fastering tools. 204 Use and maintain measuring tools. 205 Use and maintain measuring tools. 206 RESERVED 207 Use and maintain deders. 208 Use and maintain fladders. 209 RESERVED 210 Construct sanifolding. 210 Construct sanifolding. 211 Construct sanifolding. 212 A-5-6-7-8-9 213 B. Identify Other Pathways? 214 B. Identify Other Pathways? 215 Standard CC.3.5-9.10. 216 Standard CC.3.5-9.10. 217 Standard CC.3.5-9.10. 218 Construct sanifolding. 219 Construct sanifolding. 210 Construct sanifolding. 210 Construct sanifolding. 210 Construct sanifolding. 211 Construct sanifolding. 211 Construct sanifolding. 212 A-5-6-7-8-9 213 Construct sanifolding. 214 Construct sanifolding. 215 Construct sanifolding. 215 Construct sanifolding. 216 Construct sanifolding. 217 Construct sanifolding. 218 Construction Careers Choose Standard CC.3.5-9.10. 219 Construct sanifolding. 219 Construct sanifolding. 210 Construct sanifolding. 210 Construct sanifolding. 210 Construct sanifolding. 210 Construct sanifolding. 211 Construct sanifolding. 212 A-5-6-7-8-9 213 Construction Careers Choose Standard CC.3.5-9.10. 214 Construct sanifolding. 215 Construct sanifolding. 216 Construct sanifolding. 217 Construct sanifolding. 218 Construction Careers Choose Standard CC.3.5-9.10. 219 Construct sanifolding. 219 Construct sanifolding. 210 Construct sanifolding. 211 Construct sanifolding. 212 A-5-6-8-9 213 Construct sanifolding. 213 Construct sanifolding. 214 Construct sanifolding. 215 Construct sanifolding. 216 Construct sanifolding. 216 Construct sanifolding. 217 Construct sanifolding. 218 Construct sanifolding. 218 Construct sanifolding. 219 Construct sanifolding. 219 Construct sanifolding. 210 Construct sanifolding. 211 Construct sanifold						
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205 Use and maintain cutting tools. 207 Use and maintain ladders. 208 Use and maintain finishing tools. 208 RESERVED 210 Construct scaffolding. PATHWAYS NCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 210 Enderly Other Pathways? Enderly C2.35.9-10.C Endermine the central ideas or conclusions of a text; etc Standard C2.35.1-12.A Cite specific textual evidence, etc Standard C2.35.1-12.B, Determine the central ideas or conclusions of a text; etc Standard C2.35.9-10.E Analyze the stroit of the relationships among concepts in a text, etc Standard C2.35.9-10.F Analyze the author's purpose in providing an explanation, describing a procedure CRAFT & STRUCTURE	204	Use and maintain measuring tools.	` ′	Cite specific textual evidence,		
206 Use and maintain ladders. 207 Use and maintain finishing tools. 208 Use and maintain finishing tools. 209 RESERVED 210 Construct scaffolding. PATHWAYS (Choose Standard) 210 Construct scaffolding. PATHWAYS (Choose Standard) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways? B. Identify Other Pathways? B. Identify Other Pathways? Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.11-12.B. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.9-10.D. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.9-10.D. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.9-10.D. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.9-10.D. Determine the central ideas or conclusions of a text, etc Standard CC.3.5.9-10.D. Determine the central ideas or conclusions of a	205	Use and maintain cutting tools.	1-2-3-4-5-6-7			
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describing a procedure CRAFT & STRUCTURE						
GRADES 11-12	1			CRAFT & STRUCTURE		
				GRADES 11-12		

Standard CC.3.5.11-12.D.	7
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	
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	
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.	

300 POWER TOOLS.		Synthesize information from a range of sources into a coherent understanding. RANGE OF READING 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.	
301 Use and maintain stationary electric power tools. 302 Use and maintain pneumatic tool systems. 303 Use and maintain portable electric power tools. 304 RESERVED 305 RESERVED	CLUSTER: Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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 CRAFT & STRUCTURE GRADES 9-10 Standard CC.3.5.9-10.D.	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 arithmetic operations and apply to complex numbers.

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	
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	
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	

400.7			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. RANGE OF READING 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.		
-	BLUEPRINT READING.	CL LICTED.	ZEV IDE A CADEMA II C	TRESTE TEXTREC AND	Ctonday 12.1 HG E 2
401 402 403 404 405 406 407 408 409 410	Interpret blueprints. Interpret and comprehend standard symbols and abbreviations. Interpret building specifications. Interpret a plot plan. Interpret a foundation plan. Interpret elevation plans. Interpret details and section views. Interpret floor, wall, and roof framing plans. Interpret building and zoning codes. Interpret Americans with Disabilities Act (ADA) regulations.	CLUSTER: Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9	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 multistep procedure, etc KEY IDEAS/DETAILS GRADES 11-12	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.	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

B. Identify Other Pathways?	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 CRAFT & STRUCTURE GRADES 9-10	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.	on measurement when reporting quantities. Standard 2.1.HS.F.6 Extend the knowledge of arithmetic operations and apply to complex numbers.
	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 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 INTEGRATE KNOWLEDGE/IDEAS GRADES 9-10	DISTRIBUTION OF WRITING GRADES 9-10 Standard CC.3.6.9-10.C Produce clear and coherent writingappropriate 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. PRODUCTION & DISTRIBUTION OF WRITING GRADES 11-12 Standard CC.3.6.11-12 C	

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...

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.

RANGE OF READING 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.

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.

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.

Standard CC.3.6.9-10.G.

Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.

Standard CC.3.6.9-10.H.

Draw evidence from informational texts to support analysis, reflection, and research.

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. Standard CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation. Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING GRADES 9-12 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 audiencesetc.	
500 8	SITE PREPARATION AND LAYOUT.				
501	Determine factors needed to be considered before the	CLUSTER:	KEY IDEAS/DETAILS	TEXT TYPES AND	Standard 2.1.HS.F.2
502	start of a building project.	Architecture & Construction Careers	GRADES 9-10	PURPOSE GRADES 9-10	Apply properties of rational and irrational
502 503	Acquire a building permit. Use PA One Call System, Inc.	(Choose Standards)	Standard CC.3.5.9-10.A.	Standard CC.3.6.9-10.A	numbers to solve real
504	Establish elevations and grades from benchmarks using leveling instruments.	1-2-3-4-5-6-7	Cite specific textual evidence, etc Standard CC.3.5.9-10B &	Write arguments focused on discipline specific	world or mathematical problems.
505	Stake out a building foundation using the Pythagorean theorem.	PATHWAYS INCLUDE	Determine the central ideas or conclusions of a text; etc	content. Standard CC.3.6.9-10.B	Standard 2.1.HS.F.4 Use units as a way to
506	Layout and construct batter boards.	A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	Standard CC.3.5.9-10.C Follow precisely a complex multistep procedure, etc KEY IDEAS/DETAILS GRADES 11-12 Standard CC.3.5.11-12A	Write informative or explanatory texts, including the narration of technical processes, etc. TEXT TYPES AND PURPOSE GRADES 11-12	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.

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...

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...

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...

INTEGRATE KNOWLEDGE/IDEAS

GRADES 9-10

Standard CC.3.5.9-10.G.

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.

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.

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 2.1.HS.F.6

Extend the knowledge of arithmetic operations and apply to complex numbers.

Standard 2.3.HS.A.7

Apply trigonometric ratios to solve problems involving right triangles.

Standard 2.2.HS.C.9

Prove the Pythagorean identity and use it to calculate trigonometric ratios.

Standard 2.3.HS.A.3

Verify and apply geometric theorems as they relate to geometric figures.

Standard 2.3.HS.A.13

Analyze relationships between two dimensional and three dimensional objects.

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

600 FOOTINGS AND FOUNDATIONS. 601 Determine footer type.	CLUSTER:	KEY IDEAS/DETAILS	Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation. Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING GRADES 9-12 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 audiencesetc. TEXT TYPES AND PURPOSE	Standard 2.1.HS.F.2
 Use of leveling instruments. Establish footer lines and elevations. RESERVED Layout and construct forms for footers. Layout foundations. Layout and construct forms for concrete slabs. Install reinforcing bars. Construct vertical and horizontal frameworks. 	Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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	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. 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	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 arithmetic operations and

Standard CC.3.5.11-12.C.

Follow precisely a complex multistep procedure, etc...

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...

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...

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.

Write informative or explanatory texts, including the narration of technical processes, etc.

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.

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 apply to complex numbers.

Standard 2.3.HS.A.7

Apply trigonometric ratios to solve problems involving right triangles.

Standard 2.2.HS.C.9

Prove the Pythagorean identity and use it to calculate trigonometric ratios.

Standard 2.3.HS.A.3

Verify and apply geometric theorems as they relate to geometric figures.

Standard 2.3.HS.A.13

Analyze relationships between two dimensional and three dimensional objects.

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**

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.

RANGE OF READING **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.

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

GRADES 9-10

Standard CC.3.6.9-10.F.

Conduct short and more sustained research to answer a question or solve a problem.

Standard CC.3.6.9-10.G.

Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.

Standard CC.3.6.9-10.H.

Draw evidence from informational texts to support analysis, reflection, and research.

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.

Standard CC.3.6.11-12.G.

Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation.

Standard CC.3.6.11-12.H. Draw evidence from

700 FRAMING - FLOOR CONSTRUCTION.			informational texts to support analysis, reflection, and research. RANGE OF WRITING GRADES 9-12 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 audiencesetc.	
 RESERVED RESERVED Layout and install sill plates. Layout and install floor joists, including manufactured floor joists. Layout and install joists for a cantilever floor. Construct and install cross and solid bridging. Layout and install sub-flooring. Layout and construct floor openings. 	CLUSTER: Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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 CRAFT & STRUCTURE GRADES 9-10 Standard CC.3.5.9-10.D.	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. 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. PRODUCTION & DISTRIBUTION OF WRITING	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 arithmetic operations and apply to complex numbers. Standard 2.3.HS.A.7 Apply trigonometric ratios to solve problems involving right triangles. Standard 2.2.HS.C.9

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...

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...

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...

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.

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 Prove the Pythagorean identity and use it to calculate trigonometric ratios.

Standard 2.3.HS.A.3

Verify and apply geometric theorems as they relate to geometric figures.

Standard 2.3.HS.A.13

Analyze relationships between two dimensional and three dimensional objects.

INTEGRATE KNOWLEDGE/ individual or shared writing **IDEAS** products. **GRADES 11-12** RESEARCH Standard CC.3.5.11-12.G. **GRADES 9-10** Integrate and evaluate multiple Standard CC.3.6.9-10.F. sources of information presented in Conduct short and more diverse formats... to solve a sustained research to problem. answer a question or solve a problem. Standard CC.3.5.11-12.H. Standard CC.3.6.9-10.G. Evaluate the hypotheses, data, Gather relevant information analysis, and conclusions in a technical text, verifying the data from multiple authoritative when possible. print and digital sources, following a standard format Standard CC.3.5.11-12.I. for citation. Synthesize information from a Standard CC.3.6.9-10.H. range of sources into a coherent Draw evidence from understanding. informational texts to RANGE OF READING support analysis, reflection, **GRADES 9-10 and 11-12** and research. Standard CC.3.5.9-10.J AND RESEARCH Standard CC.3.5.11-12.J. **GRADES 11-12** By the end of grades 9- 10, AND Standard CC.3.6.11-12.F. 11-12, read and comprehend Conduct short and more technical texts independently and sustained research to proficiently. answer a question or solve a problem. Standard CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation. Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING **GRADES 9-12**

800 FRAMING - WALL CONSTRUCTION. 801 RESERVED	CLUSTER:	KEY IDEAS/DETAILS	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 audiencesetc.	Standard 2.1.HS.F.2
802 Layout and construct a wall. 803 RESERVED 804 Layout and construct door openings. 805 Layout and construct window openings. 806 Layout and construct solid headers. 807 Layout and install sheathing. 808 Plumb, align, and brace walls. 809 Layout and install metal studs.	Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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 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	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. 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. PRODUCTION & DISTRIBUTION OF WRITING GRADES 9-10 Standard CC.3.6.9-10.C	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 arithmetic operations and apply to complex numbers. Standard 2.3.HS.A.7 Apply trigonometric ratios to solve problems involving right triangles. Standard 2.2.HS.C.9 Prove the Pythagorean identity and use it to calculate trigonometric ratios. Standard 2.3.HS.A.3

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...

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...

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...

INTEGRATE KNOWLEDGE/IDEAS

GRADES 11-12

Standard CC.3.5.11-12.G.

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.

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. Verify and apply geometric theorems as they relate to geometric figures.

Standard 2.3.HS.A.13

Analyze relationships between two dimensional and three dimensional objects.

RESEARCH Integrate and evaluate multiple sources of information presented in **GRADES 9-10** diverse formats... to solve a Standard CC.3.6.9-10.F. problem. Conduct short and more Standard CC.3.5.11-12.H. sustained research to Evaluate the hypotheses, data, answer a question or solve analysis, and conclusions in a a problem. technical text, verifying the data **Standard CC.3.6.9-10.G.** when possible. Gather relevant information Standard CC.3.5.11-12.I. from multiple authoritative Synthesize information from a print and digital sources, range of sources into a coherent following a standard format understanding. for citation. RANGE OF READING Standard CC.3.6.9-10.H. -**GRADES 9-10 and 11-12** Draw evidence from informational texts to Standard CC.3.5.9-10.J AND support analysis, reflection, Standard CC.3.5.11-12.J. and research. By the end of grades 9-10, AND RESEARCH 11-12, read and comprehend technical texts independently and **GRADES 11-12** proficiently. Standard CC.3.6.11-12.F. Conduct short and more sustained research to answer a question or solve a problem. Standard CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation. Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING **GRADES 9-12 Standard CC.3.5.9-10.I** AND Standard CC.3.5.11-12.I.

900 FRAMING - ROOF CONSTRUCTION. 901 RESERVED 902 RESERVED 903 Layout and install a ridge board. 904 Layout and install common rafters. 905 Layout and install roof trusses. 906 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. B. Identify Other Pathways?	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 multistep procedure, etc 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 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	shorter time frames for a range of tasks, purposes and audiencesetc. 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. 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. PRODUCTION & DISTRIBUTION OF WRITING GRADES 9-10 Standard CC.3.6.9-10.C Produce clear and coherent writingappropriate to task, purpose, and audience. Standard CC.3.6.9-10 D	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 arithmetic operations and apply to complex numbers. Standard 2.3.HS.A.7 Apply trigonometric ratios to solve problems involving right triangles. Standard 2.2.HS.C.9 Prove the Pythagorean identity and use it to calculate trigonometric ratios. Standard 2.3.HS.A.3 Verify and apply geometric theorems as they relate to geometric figures. Standard 2.3.HS.A.13
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Analyze the author's purpose in providing an explanation, describing a procedure...

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...

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...

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.

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.

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.

CC.3.6.11-12.E.

Use technology, including the internet, to produce, publish, and update individual or shared writing products.

RESEARCH

GRADES 9-10

Standard CC.3.6.9-10.F.

Conduct short and more

Analyze relationships between two dimensional and three dimensional objects.

Evaluate the hypotheses, data, sustained research to analysis, and conclusions in a answer a question or solve technical text, verifying the data a problem. when possible. Standard CC.3.6.9-10.G. Standard CC.3.5.11-12.I. Gather relevant information Synthesize information from a from multiple authoritative range of sources into a coherent print and digital sources, understanding. following a standard format for citation. RANGE OF READING **GRADES 9-10 and 11-12** Standard CC.3.6.9-10.H. Draw evidence from Standard CC.3.5.9-10.J AND informational texts to Standard CC.3.5.11-12.J. support analysis, reflection, By the end of grades 9-10, AND and research. 11-12, read and comprehend RESEARCH technical texts independently and proficiently. **GRADES 11-12** Standard CC.3.6.11-12.F. Conduct short and more sustained research to answer a question or solve a problem. Standard CC.3.6.11-12.G. Gather relevant information from multiple authoritative print and digital sources, following a standard format for citation. Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. **RANGE OF WRITING GRADES 9-12** 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.

1000 EXTERIOR FINISH.			
1001 RESERVED 1002 RESERVED 1003 Install house wrap. 1004 Install exterior doors. 1005 Install windows. 1006 Layout and install siding. 1007 Layout and install gutters and downspouts 1009 Layout and install exterior stair systems.	CLUSTER: Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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 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 CRAFT & STRUCTURE GRADES 11-12	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 arithmetic operations and apply to complex numbers.

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
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
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. RANGE OF READING 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.	
1100 INTERIOR FINISH. 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.	CLUSTER: Architecture & Construction Careers (Choose Standards) 1-2-3-4-5-6-7 PATHWAYS INCLUDE A. Construction Careers (Choose Standards) 1-2-3-4-5-6-7-8-9 B. Identify Other Pathways?	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 multistep procedure, etc 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	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 arithmetic operations and apply to complex numbers.

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	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
	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
	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.
	Stanuaru CC.5.5.7-10.1.

			Compare and contrast findings presented in a text to those from	
			other sources, etc	
			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.	
			RANGE OF READING 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.	
1200 E	ESTIMATION.			
1201	needed to complete a given task.	CLUSTER: Architecture &	KEY IDEAS/DETAILS GRADES 9-10	Standard 2.1.HS.F.1 Apply and extend the
1202	Estimate the cost and amount of concrete needed to complete a given task.	Construction Careers (Choose Standards)	Standard CC.3.5.9-10.A. Cite specific textual evidence,	properties of exponents to solve problems with
1203	Estimate the cost and amount of materials to finish an exterior wall.	1-2-3-4-5-6-7	etc Standard CC.3.5.9-10B &	rational exponents. Standard 2.1.HS.F.2
1204	Estimate the cost and amount of materials to finish an interior wall.	PATHWAYS INCLUDE	Determine the central ideas or conclusions of a text; etc	Apply properties of rational and irrational
1205	Estimate the cost and amount of materials to	A. Construction	Standard CC.3.5.9-10.C	numbers to solve real
	construct a finished floor.	Careers	Follow precisely a complex	world or mathematical problems.
		(Choose Standards)	multistep procedure, etc	Standard 2.1.HS.F.4
		<u> </u>		STATION OF STATIONS OF

1206	Estimate the cost and amount of materials to	1-2-3-4-5-6-7-8-9	KEY IDEAS/DETAILS	Use units as a way to
	construct a finished roof.		GRADES 11-12	understand problems and
1207	Estimate the cost and amount of materials to install	B. Identify Other	Standard CC.3.5.11-12A	to guide the solution of
	siding for a house.	Pathways?	Cite specific textual evidence,	multistep problems. Standard 2.1.HS.F.5
			etc	
			Standard CC.3.5.11-12.B.	Choose a level of accuracy appropriate to limitations
			Determine the central ideas or	on measurement when
			conclusions of a text; etc	reporting quantities.
			Standard CC.3.5.11-12.C.	Standard 2.1.HS.F.6
			Follow precisely a complex	Extend the knowledge of
			multistep procedure, etc	arithmetic operations and
			CRAFT & STRUCTURE	apply to complex
			GRADES 9-10	numbers.
			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 CRAFT & STRUCTURE	
			GRADES 11-12	
			GRADES 11-12 Standard CC.3.5.11-12.D.	
			Determine the meaning of	
			symbols, key terms, and other	
			domain specific words	
1			Standard CC.3.5.11-12.E.	
			Analyze the structure of the	
			relationships among concepts in a	
1			text.	
			Standard CC.3.5.11-12.F	
			Analyze the author's purpose in	
			providing an explanation,	
			describing a procedure	

INTEGRATE KNOWLEDGE/
IDEAS CRADES 0 10
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
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.
RANGE OF READING
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.
F