

Agriculture Mechanization, General, Classification of Instructional Program (CIP) 01.0201 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.	SUPERVISED AGRICULTURAL EXPERIENCE. Develop a Supervised Agricultural Experience (SAE) based upon individual interests/career goals.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3-4	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	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	Sundar V 212
			CRAFT & STRUCTURE GRADES 9-10	explanatory texts,	

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, etc.

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...

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

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

200	BUSINESS DEVELOPMENT.			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.	
201 202 203 204 205 206 207 208 209 210	Discuss the historical significance of agriculture to US and global economic strength. Maintain business and financial records. Analyze financial institution to source credit for agricultural product distribution. Use computers to enter, access or retrieve data. Prepare a technical report. Use telephone communication techniques. Analyze sales activities or agriculture business trends. Use product knowledge to meet customer needs. Access multi-media advertising services. Develop a sales presentation.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5	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. TEXT TYPES AND	
211 212 213	Demonstrate goods or services. Develop a logistics plan. Provide customer service needs and training.	B. Natural Resources Systems Choose Standards 1-2-3	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.	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	

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, etc.

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.

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,

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

300	SURVEYING AND LAND USE.			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.
301	Define soil erosion and its causes.	CLUSTER:	KEY IDEAS/DETAILS	TEXT TYPES AND
302	Identify the various types of land uses.	Agriculture, Food and	GRADES 9-10	PURPOSE
303	Use surveying equipment for site evaluation.	Natural Resources	Standard CC.3.5.9-10.A.	GRADES 9-10
304	Evaluate a sites suitability for various agricultural	Choose Standards	Cite specific textual evidence, etc	Standard CC.3.6.9-10.A
	purposes.	1-2-3-4-5-6	Standard CC.3.5.9-10B &	Write arguments focused
		PATHWAYS	Determine the central ideas or	on discipline specific content.
		INCLUDE	conclusions of a text; etc	Standard CC.3.6.9-10.B
		A. Power, Structural	Standard CC.3.5.9-10.C	Write informative or
		and Technical Systems	Follow precisely a complex multistep procedure, etc	explanatory texts,
		Choose Standards	KEY IDEAS/DETAILS	including the narration of
		1-2-3-4-5	GRADES 11-12	technical processes, etc. TEXT TYPES AND
			Standard CC.3.5.11-12A	PURPOSE
		B. Natural Resources Systems	Cite specific textual evidence, etc	GRADES 11-12
		Choose Standards	Standard CC.3.5.11-12.B.	Standard CC.3.6.11-12.A
		1-2-3	Determine the central ideas or	Write arguments focused
			conclusions of a text; etc Standard CC.3.5.11-12.C.	on discipline specific
			Follow precisely a complex	content. Standard CC.3.6.11-12.B
			multistep procedure, etc	Stanuaru CC.3.0.11-12.D

explanatory texts, **GRADES 9-10** including the narration of Standard CC.3.5.9-10.D. technical processes, etc. Determine the meaning of symbols, **PRODUCTION &** key terms, and other domain specific **DISTRIBUTION OF** words... WRITING **Standard CC.3.5.9-10.E GRADES 9-10** Analyze the structure of the **Standard CC.3.6.9-10.C** relationships among concepts in a Produce clear and text, etc. coherent writing **Standard CC.3.5.9-10.F** ...appropriate to task, Analyze the author's purpose in purpose, and audience. providing an explanation, describing **Standard CC.3.6.9-10 D** a procedure... Develop and strengthen **CRAFT & STRUCTURE** writing as needed by **GRADES 11-12** planning, revising, editing, Standard CC.3.5.11-12.D. rewriting, or trying a new Determine the meaning of symbols, approach, focusing on key terms, and other domain specific addressing what is most words... significant for a specific Standard CC.3.5.11-12.E. purpose and audience. Analyze the structure of the **Standard CC.3.6.9-10.E** relationships among concepts in a Use technology, including text, etc. the internet, to produce, Standard CC.3.5.11-12.F publish, and update individual or shared Analyze the author's purpose in providing an explanation, describing writing products. a procedure... **PRODUCTION &** DISTRIBUTION OF INTEGRATE KNOWLEDGE/ **IDEAS (GRADES 9-10)** WRITING **GRADES 11-12** Standard CC.3.5.9-10.G. Standard CC.3.6.11-12 C Translate quantitative or technical information expressed in a text into Produce clear and visual form (e.g. a table or chart) coherent writing ...appropriate to task, Standard CC.3.5.9-10.H. purpose, and audience. Assess the reasoning in a text to **Standard CC.3.6.9-10 D** support the author's claim for solving a technical problem. StandardCC.3.6.11-12.D.

Standard CC.3.5.9-10.I.

CRAFT & STRUCTURE

Write informative or

Develop and strengthen writing as needed by planning, revising, editing,

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

400	HISTORY AND SUSTAINABILITY OF AGRICULTURAL POWER SYSTEMS TECHNOLOGIES.			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.	
401	Describe the historical development of agricultural technologies in power systems. Identify the potential impact of global applications and emerging technologies towards sustainability.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3	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.	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 Follow precisely a complex multistep procedure, etc... Write informative or **CRAFT & STRUCTURE** explanatory texts, including the narration of **GRADES 9-10** technical processes, etc. Standard CC.3.5.9-10.D. PRODUCTION & Determine the meaning of symbols, DISTRIBUTION OF key terms, and other domain specific WRITING words... **GRADES 9-10 Standard CC.3.5.9-10.E Standard CC.3.6.9-10.C** Analyze the structure of the Produce clear and relationships among concepts in a coherent writing text, etc. ...appropriate to task, **Standard CC.3.5.9-10.F** purpose, and audience. Analyze the author's purpose in Standard CC.3.6.9-10 D providing an explanation, describing Develop and strengthen a procedure... writing as needed by **CRAFT & STRUCTURE** planning, revising, editing, **GRADES 11-12** rewriting, or trying a new Standard CC.3.5.11-12.D. approach, focusing on Determine the meaning of symbols, addressing what is most key terms, and other domain specific significant for a specific words... purpose and audience. Standard CC.3.5.11-12.E. **Standard CC.3.6.9-10.E** Analyze the structure of the Use technology, including relationships among concepts in a the internet, to produce, text, etc. publish, and update Standard CC.3.5.11-12.F individual or shared writing products. Analyze the author's purpose in providing an explanation, describing PRODUCTION & a procedure... **DISTRIBUTION OF** INTEGRATE KNOWLEDGE/ WRITING **IDEAS (GRADES 9-10) GRADES 11-12** Standard CC.3.5.9-10.G. Standard CC.3.6.11-12 C Translate quantitative or technical Produce clear and information expressed in a text into coherent writing visual form (e.g. a table or chart) ...appropriate to task, purpose, and audience. Standard CC.3.5.9-10.H. Standard CC.3.6.9-10 D Assess the reasoning in a text to support the author's claim for StandardCC.3.6.11-12.D. solving a technical problem. Develop and strengthen

writing as needed by

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

Standard CC.3.5.9-10.I.

500	SAFETY.			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.	
501 502	Complete first aid awareness training. Complete an OSHA 10 hour equivalent safety course.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3-4	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.		

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Assess the reasoning in a text to	· · · · · · · · · · · · · · · · · · ·	
	support the author's claim for	
solving a technical problem.	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	
600	TOOLG FOLLOW THE AND WARRENCE		proficiently.	
600	TOOLS, EQUIPMENT, AND HARDWARE.			
601	Use hand tools and power tools.	CLUSTER:	KEY IDEAS/DETAILS	
602	Use various gauges and testers used in agricultural	Agriculture, Food and	GRADES 9-10	
	power equipment.	Natural Resources	Standard CC.3.5.9-10.A.	
603	Use air operated equipment.	Choose Standards	Cite specific textual evidence, etc	
604	Use electrical powered shop equipment.	1-2-3-4-5-6	Standard CC.3.5.9-10B &	
605	Use fasteners to join parts.	DA FERRILA TAG	Determine the central ideas or	
606	Use measurement devices.	PATHWAYS INCLUDE	conclusions of a text; etc	
			Standard CC.3.5.9-10.C	
		A. Power, Structural and Technical Systems	Follow precisely a complex	
		Choose Standards	multistep procedure, etc	
		Choose Standards	KEY IDEAS/DETAILS	

1-2-3-4-5	GRADES 11-12	
	Standard CC.3.5.11-12A	
B. Natural Resources	Cite specific textual evidence, etc	
Systems	Standard CC.3.5.11-12.B.	
Choose Standards	Determine the central ideas or	
1-2-3	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, etc.	
	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.	
	Station a Co.S.S.7-10.G.	

		<u> </u>	Translate quantitative on took=:1	
			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.	
700	METAL FABRICATION AND WELDING.			
701	Identify various types of metals.	CLUSTER:	KEY IDEAS/DETAILS	
702	Use welding and cutting equipment.	Agriculture, Food and	GRADES 9-10	
703	Use soldering equipment.	Natural Resources	Standard CC.3.5.9-10.A.	
704	Repair sheet metal products.	Choose Standards	Cite specific textual evidence, etc	
	=	1	L L	

Fabricate a metal product.		Standard (1.14 Sullik Xz
	1-2-3-4-5-6	Standard CC.3.5.9-10B & Determine the central ideas or
	PATHWAYS	conclusions of a text; etc
	INCLUDE	Standard CC.3.5.9-10.C
	A. Power, Structural	Follow precisely a complex
	and Technical Systems	multistep procedure, etc
	Choose Standards	KEY IDEAS/DETAILS
	1-2-3-4-5	GRADES 11-12
	1-2-3-4-3	
	D. W. C. LD	Standard CC.3.5.11-12A
	B. Natural Resources Systems	Cite specific textual evidence, etc
		Standard CC.3.5.11-12.B.
	Choose Standards	Determine the central ideas or
	1-2-3	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, etc.

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

801 Re	ECHNICAL DOCUMENTATION. ead blueprints and schematics. reate a technical drawing.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3	technical texts independently and proficiently. 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	Standard 2.1.HS.F.1 Apply and extend the properties of exponents to solve problems with rational exponents. 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.
		1-2-3	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.	appropriate to limitations on measurement when reporting quantities. Standard 2.1.HS.F.6 Extend the knowledge of arithmetic operations and apply to complex

Standard CC.3.5.11-12.D.
Determine the meaning of symbols,
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words
Standard CC.3.5.11-12.E.
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relationships among concepts in a
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Standard CC.3.5.9-10.G.
Translate quantitative or technical
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Standard CC.3.5.9-10.H.
Assess the reasoning in a text to
support the author's claim for
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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.
Sumuira Colonia ana

900 901	ENGINE SYSTEMS. Select mechanical equipment appropriate to task.	CLUSTER:	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. KEY IDEAS/DETAILS	Standard 2.1.HS.F.1
902 903 904 905 906 907	Measure power output of various equipment. Service and repair powertrain. List and describe the operation of various engine types. Use specialized tools for small engines. Use measuring and calibration devices. Troubleshoot an engine and return it to working order.	Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3	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	Apply and extend the properties of exponents to solve problems with rational exponents. 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.

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, etc.
Standard CC.3.5.11-12.F
Analyze the author's purpose in
providing an explanation, describing
a procedure
Compare and contrast findings
IDEAS GRADES 11-12
text, etc. 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/

T 11 ' 1 1	Character 10 1 HC E C
Follow precisely a complex multistep procedure, etc	Standard 2.1.HS.F.6
	Extend the knowledge of
CRAFT & STRUCTURE	arithmetic operations and
GRADES 9-10	apply to complex numbers.
Standard CC.3.5.9-10.D.	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, etc.	
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.	

1 2 2 4 7	CD / DEG 44 44	TT .
1-2-3-4-5	GRADES 11-12	Use units as a way to
	Standard CC.3.5.11-12A	understand problems and to guide the solution of
B. Natural Resources	Cite specific textual evidence, etc	multistep problems.
Systems	Standard CC.3.5.11-12.B.	Standard 2.1.HS.F.5
Choose Standards	Determine the central ideas or	Choose a level of accuracy
1-2-3	conclusions of a text; etc	appropriate to limitations
	Standard CC.3.5.11-12.C.	on measurement when
	Follow precisely a complex	reporting quantities.
	multistep procedure, etc	Standard 2.1.HS.F.6
	CRAFT & STRUCTURE	Extend the knowledge of
	GRADES 9-10	arithmetic operations and
	Standard CC.3.5.9-10.D.	apply to complex
	Determine the meaning of symbols, key terms, and other domain specific	numbers.
	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, etc.	
	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.	
200 AGRICULTURAL STRUCTURES.		promotenty.	
201 Develop an itemized bill of materials and determine	CLUSTER:	KEY IDEAS/DETAILS	Standard 2.1.HS.F.1
costs.	Agriculture, Food and	GRADES 9-10	Apply and extend the
202 Layout a structure foundation.	Natural Resources	Standard CC.3.5.9-10.A.	properties of exponents to
203 Calculate, mix and finish concrete and masonry units.	Choose Standards	Cite specific textual evidence, etc	solve problems with rational exponents.

1204	Select building materials.	1-2-3-4-5-6	Standard CC.3.5.9-10B &	Standard 2.1.HS.F.2
	Operate woodworking equipment/machinery, as		Determine the central ideas or	Apply properties of
	needed in the agricultural sector.	PATHWAYS	conclusions of a text; etc	rational and irrational
1206	Design a building for an application in agriculture	INCLUDE	Standard CC.3.5.9-10.C	numbers to solve real
	using new technologies.	A. Power, Structural	Follow precisely a complex	world or mathematical
1207	Construct various switched electrical branch circuits.	and Technical Systems	multistep procedure, etc	problems.
1208	Troubleshoot electrical systems.	Choose Standards	KEY IDEAS/DETAILS	Standard 2.1.HS.F.4
		1-2-3-4-5	GRADES 11-12	Use units as a way to
			Standard CC.3.5.11-12A	understand problems and to guide the solution of
		B. Natural Resources	Cite specific textual evidence, etc	multistep problems.
		Systems	Standard CC.3.5.11-12.B.	Standard 2.1.HS.F.5
		Choose Standards	Determine the central ideas or	Choose a level of accuracy
		1-2-3	conclusions of a text; etc	appropriate to limitations
			Standard CC.3.5.11-12.C.	on measurement when
			Follow precisely a complex	reporting quantities.
			multistep procedure, etc	Standard 2.1.HS.F.6
			CRAFT & STRUCTURE	Extend the knowledge of
			GRADES 9-10	arithmetic operations and
			Standard CC.3.5.9-10.D.	apply to complex
			Determine the meaning of symbols,	numbers.
			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, etc.	

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

1301 1302	PLUMBING, IRRIGATION, AND WATER SYSTEMS. Cut, assemble and pressure test components within various types of water supply systems. Calculate pump and pipe size based on water requirements, head and friction losses for water and irrigation systems. Identify the components in various agricultural irrigation systems.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3	technical texts independently and proficiently. 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	Standard 2.1.HS.F.1 Apply and extend the properties of exponents to solve problems with rational exponents. 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.
			text, etc.	

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, etc.
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.

1400	ENVIRONMENTAL AND NATURAL RESOURCE SYSTEMS.		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.	
1402	Identify environmental problems and use equipment and tools needed to measure the problems in livestock, crop handling, processing, nursery and landscaping, aquaculture, forestry and agribusiness industries. Use various map types and aerial photos for land use, soil, watershed, wildlife and natural resource management and conservation. Identify global positioning systems, remote sensing and collection equipment for various applications. Identify and evaluate storage and waste disposal systems and procedures.	CLUSTER: Agriculture, Food and Natural Resources Choose Standards 1-2-3-4-5-6 PATHWAYS INCLUDE A. Power, Structural and Technical Systems Choose Standards 1-2-3-4-5 B. Natural Resources Systems Choose Standards 1-2-3	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	
relationships among concepts in a text, etc. Standard CC.3.5.9-10.F Analyze the author's purpose in	
text, etc. Standard CC.3.5.9-10.F Analyze the author's purpose in	
Standard CC.3.5.9-10.F Analyze the author's purpose in	
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, etc.	
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.