Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER PATHWAYS INCLUDE A. Power, Structural and Technical Systems (Choose Standards) 1-2-3-4-5 B. Natural Resources	Ŭ		MATH STANDARD AREA: NUMBERS AND OPERATIONS (FOR H.S.) 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
	Systems (Choose Standards) 1-2-3-4 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Determine the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into	• Standard CC.3.6.9-10.C • Standard CC.3.611-12 C -Produce clear and coherent writingappropriate 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.3.6.9-10.E • Standard CC.3.6.9-10.E Use technology, including the Internet, to produce, publish, and update individual or shared	Choose a level of accuracy appropriate to limitations or measurement when reporting quantities. Standard 2.1.HS.F.6 Extend the knowledge of arithmetic operations and apply to complex numbers.

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Thigh School Graduation Tears: 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.1-12.J By the end of grades 9-10, AND 11-12, read and comprehend technical texts independently and proficiently.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	Stanuaru 2.0

Higl	Secondary Competency Task List With Unit and Task Numbers a School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
200	MANAGEMENT, ECONOMICS, AND MARKETING				
201 202 203	Discuss the historical significance of agriculture to US and global economic strength. Maintain accurate business and financial records. Identify possible types and sources of credit.	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER 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 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. A • Standard CC.3.5.9-10. A Cite specific textual evidence, etc • Standard CC.3.5.9-10 B • Standard CC.3.5.9-10 B • Standard CC.3.5.1-12. B Determine the central ideas or conclusions of a text; etc. • Standard CC.3.5.9-10.C • Standard CC.3.5.1-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. D • Standard CC.3.5.9-10. E • Standard CC.3.5.1-12.E Analyze the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.9-10.E • Standard CC.3.5.1-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.1-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G	TEXT TYPES AND PURPOSE (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.A • Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content. • Standard CC.3.6.9-10.B • Standard CC.3.6.11- 12.B Write informative or explanatory texts, including the narration of technical processes, etc. PRODUCTION & DIST. OF WRITING- (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.C • Standard CC.3.6.11-12 C -Produce clear and coherent writingappropriate to task, purpose, and audience. • 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.3.6.9-10.E • Standard CC.3.6.11-12.E. Use technology, including the Internet, to produce.	MATH STANDARD AREA: NUMBERS AND OPERATIONS (FOR H.S.) 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.3.5.9-10.G Translate quantitative or technical	the Internet, to produce, publish, and update	

Secondary Competency Task List With Unit and Task Numbers High School Cardynation Vegras, 2011, 2012, and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics
With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Technical Core Standards	information expressed in a text into visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.	individual or shared writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9-10.G. • 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.3.6.9-10.H. • Standard CC.3.6.9-10.H. • Standard CC.3.6.9-10.H. • Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I. & • Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	For Mathematics Standard 2.0

Higl	Secondary Competency Task List With Unit and Task Numbers h School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
300 301 302 303 304	With Unit and Task Numbers	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER 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 NOTE: Please refer to the Common Core	Technical Subjects	Writing for Technical	For Mathematics
		Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Standard CC.3.5.9-10.F Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into	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 • Standard CC.3.6.11-12.E. Use technology, including the Internet, to produce, publish, and update individual or shared	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Ingli school Graduation Tears. 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	Standard 2.0

Hig	Secondary Competency Task List With Unit and Task Numbers th School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
400 401	SOLICIT CUSTOMERS AND ORDERS. Analyze sales activities or trends.	CAREER CLUSTER:	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12)	TEXT TYPES AND PURPOSE (FOR GRADES	
402 403	Prepare a list of prospective customers. Use product knowledge and customer's need to solicit an order from established or new customers.	Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6	 Standard CC.3.5.9-10. A Standard CC.3.5.11-12 A Cite specific textual evidence, etc Standard CC.3.5.9-10 B 	Standard CC.3.6.9-10.A Standard CC.3.6.11-12.A Write arguments focused on discipline-specific	
404	Access media advertising services.	CAREER 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 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Standard CC.3.5.11-12. B Determine the central ideas or conclusions of a text; etc. Standard CC.3.5.9-10.C Standard CC.3.5.9-10.C Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) Standard CC.3.5.9-10. D Standard CC.3.5.11-12.D Determine the meaning of symbols, key terms, and other domain-specific words. Standard CC.3.5.9-10.E Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. Standard CC.3.5.9-10.F Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G Translate quantitative or technical	on discipline-specific content. • Standard CC.3.6.9-10.B • Standard CC.3.6.11- 12.B Write informative or explanatory texts, including the narration of technical processes, etc. PRODUCTION & DIST. OF WRITING- (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.C • Standard CC.3.6.9-10.C • Standard CC.3.6.11-12 C -Produce clear and coherent writingappropriate 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.3.6.9-10.E • Standard CC.3.6.1-12.E. Use technology, including the Internet, to produce, publish, and update	

Secondary Competency Task List With Unit and Task Numbers	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics
High School Graduation Years: 2011, 2012 and 2013	Standarus	Standard 3.5	Subjects Standard 510	Standard 2.0
		information expressed in a text into visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.J 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.	individual or shared writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9-10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	

Hig	Secondary Competency Task List With Unit and Task Numbers h School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
500 501 502			ŭ .		MATH STANDARD AREA: NUMBERS AND OPERATIONS (FOR H.S.) 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
		NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	key terms, and other domain- specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into	Standard CC.3.611-12 C -Produce clear and coherent writingappropriate 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.3.6.9-10.E Standard CC.3.6.1-12.E. Use technology, including the Internet, to produce, publish, and update individual or shared	11 1

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Ingriscitor Graduator Tears. 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.1-12.J By the end of grades 9-10, AND 11-12, read and comprehend technical texts independently and proficiently.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	Stallual u 2.0

	Secondary Competency Task List	Common Career	CCS Standards For Reading for	CCS Standards For	CCS Standards
	With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
High	School Graduation Years: 2011, 2012 and 2013	Standards	Standard 3.5	Subjects - Standard 3.6	Standard 2.0
	·				
600	COMPLETE A SALE.				
		CAREER OF LICEER	KEY IDEAS/DETAILS	TEXT TYPES AND	MATRICE AND ADD
601	Use sales techniques based on the customer.	<u>CAREER CLUSTER</u> : Agriculture, Food and	(FOR GRADES 9-10-11-12)	PURPOSE (FOR GRADES	MATH STANDARD AREA: NUMBERS AND
602	Compute financial data.	Natural Resources	• Standard CC.3.5.9-10. A	9-10-11-12)	OPERATIONS
602	Id-u4:644	(Choose Standards)	• Standard CC.3.5.11-12 A	• Standard CC.3.6.9-10.A	(FOR H.S.)
603	Identify steps to arrange for trial installations of	1-2-3-4-5-6	Cite specific textual evidence, etc	• Standard CC.3.6.11-12.A	Standard 2.1.HS.F.2
	equipment.	1-2-3-4-3-0	• Standard CC.3.5.9-10 B	Write arguments focused on discipline-specific	Apply properties of rational
604	Negotiate term of sale or services with customer.	CAREER	• Standard CC.3.5.11-12. B Determine the central ideas or	content.	and irrational numbers to
004	regulate term of sale of services with customer.	CAREER PATHWAYS	conclusions of a text; etc.	• Standard CC.3.6.9-10.B	solve real world or
		INCLUDE	• Standard CC.3.5.9-10.C	• Standard CC.3.6.11-	mathematical problems.
		A. Power, Structural	• Standard CC.3.5.11-12.C	<u>12.B</u>	Standard 2.1.HS.F.4
		and Technical Systems	Follow precisely a complex	Write informative or	Use units as a way to
		(Choose Standards)	multistep procedure, etc	explanatory texts, including	understand problems and to
		1-2-3-4-5	CRAFT & STRUCTURE	the narration of technical processes, etc.	guide the solution of multi- step problems.
		1-2-3-4-3	(FOR GRADES 9-10-11-12)	PRODUCTION & DIST.	= =
		D. N. 4. I.D.	• Standard CC.3.5.9-10. D	OF WRITING- (FOR	Standard 2.1.HS.F.5
		B. Natural Resources	• Standard CC.3.5.11-12.D	GRADES 9-10-11-12)	Choose a level of accuracy appropriate to limitations on
		Systems	Determine the meaning of symbols,	• <u>Standard CC.3.6.9-10.C</u>	measurement when
		(Choose Standards)	key terms, and other domain- specific words.	• Standard CC.3.611-12 C	reporting quantities.
		1-2-3-4	_	-Produce clear and coherent writing	Standard 2.1.HS.F.6
		NO.	• Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E	appropriate to task,	Extend the knowledge of
		NOTE:	Analyze the structure of the	purpose, and audience.	arithmetic operations and
		Please refer to the	relationships among concepts in a	• Standard CC.3.6.9-10 D	apply to complex numbers.
		Common Core Technical Standards	text, etc.	• Standard CC.3.6.11-12.D	
		booklet if you wish to	• Standard CC.3.5.9-10.F	Develop and strengthen	
		add more Career	• Standard CC.3.5.11-12.F	writing as needed by planning, revising, editing,	
		Pathways for your	Analyze the author's purpose in	rewriting, or trying a new	
		local geographic area.	providing an explanation, describing a procedure and	approach, focusing on	
			Analyze the structure of the	addressing what is most	
			relationships among concepts in a	significant for a specific	
			text.	purpose and audience.	
			INTEGRATE KNOWLEDGE &	 Standard CC.3.6.9-10.E Standard CC.3.6.11-12.E. 	
			IDEAS (FOR GRADES 9-10)	Use technology, including	
			• Standard CC.3.5.9-10.G	the Internet, to produce,	
			Translate quantitative or technical	publish, and update	
			information expressed in a text into	individual or shared	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Ingriscitor Graduator Tears. 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.1-12.J By the end of grades 9-10, AND 11-12, read and comprehend technical texts independently and proficiently.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	Stallual u 2.0

Hig	Secondary Competency Task List With Unit and Task Numbers h School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
700 701 702 703	With Unit and Task Numbers	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER 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 NOTE: Please refer to the	Technical Subjects	Writing for Technical	For Mathematics
		Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into		

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.J 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.		

Hig	Secondary Competency Task List With Unit and Task Numbers h School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
800	MANAGE NATURAL RESOURCES.				
801 802 803 804	Identify renewable and non-renewable natural resources. Define soil erosion and what causes soil erosion. Explain the hydrologic cycle. Identify the various types of land uses.	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER 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 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) Standard CC.3.5.9-10. A Standard CC.3.5.9-10. A Standard CC.3.5.9-10 B Standard CC.3.5.9-10 B Standard CC.3.5.9-10 B Standard CC.3.5.9-10.C Standard CC.3.5.9-10.C Standard CC.3.5.9-10.C Standard CC.3.5.1-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) Standard CC.3.5.9-10. D Standard CC.3.5.9-10. D Standard CC.3.5.1-12.D Determine the meaning of symbols, key terms, and other domain-specific words. Standard CC.3.5.9-10.E Standard CC.3.5.1-12.E Analyze the structure of the relationships among concepts in a text, etc. Standard CC.3.5.9-10.F Standard CC.3.5.1-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into	TEXT TYPES AND PURPOSE (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.A • Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content. • Standard CC.3.6.9-10.B • Standard CC.3.6.9-10.B • Standard CC.3.6.11- 12.B Write informative or explanatory texts, including the narration of technical processes, etc. PRODUCTION & DIST. OF WRITING- (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.C • Standard CC.3.6.11-12 C -Produce clear and coherent writingappropriate 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.3.6.9-10.E • Standard CC.3.6.9-10.E • Standard CC.3.6.9-10.E • Standard CC.3.6.9-10.E	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Ingli School Graduation Tears. 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	Stallual u 2.0

Secondary Competency Task List	Common Career	CCS Standards For Reading for	CCS Standards For	CCS Standards
With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
High School Graduation Years: 2011, 2012 and 2013	Standards	Standard 3.5	Subjects - Standard 3.6	Standard 2.0
,				
900 HISTORICAL APPLICATIONS AND FUTURE IMPLICATIONS OF AGRICULTURAL POWER AND SYSTEMS TECHNOLOGIES.				
 901 Describe and discuss the historical development of agricultural power and systems technologies. 902 Identify global applications of agricultural power and systems technologies. 903 Identify emerging technologies and their potential impact. 904 Identify methods of changing appropriate technology for various applications (size, social and cultural). 	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER 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 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. A • Standard CC.3.5.9-10. A • Standard CC.3.5.11-12 A Cite specific textual evidence, etc • Standard CC.3.5.9-10 B • Standard CC.3.5.11-12. B Determine the central ideas or conclusions of a text; etc. • Standard CC.3.5.9-10.C • Standard CC.3.5.9-10.C • Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. D • Standard CC.3.5.11-12.D Determine the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • 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 and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G	TEXT TYPES AND PURPOSE (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.A • Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content. • Standard CC.3.6.9-10.B • Standard CC.3.6.9-10.B • Standard CC.3.6.11- 12.B Write informative or explanatory texts, including the narration of technical processes, etc. PRODUCTION & DIST. OF WRITING- (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.C • Standard CC.3.6.11-12 C -Produce clear and coherent writingappropriate to task, purpose, and audience. • 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.3.6.9-10.E • Standard CC.3.6.9-10.E	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		Translate quantitative or technical information expressed in a text into visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.	publish, and update individual or shared writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.9-10.H. • Standard CC.3.6.9-10.H. • Standard CC.3.6.9-10.H. • Standard CC.3.5.9-10.I. « * Standard CC.3.5.9-10.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
 High School Graduation Years: 2011, 2012 and 2013 1000 DEMONSTRATE SAFETY 1001 Define the dangers in an agricultural mechanics shand work place. 1002 List safety procedures that promote avoidance of shop hazards and accident reduction. 1003 Identify safety colors used on signs and icons in the agriculture industry. 1004 Identify and demonstrate wearing of personal protective equipment. 1005 Identify and use proper fire fighting equipment. 1006 Demonstrate positive safety attitudes and responsibilities. 	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6	· ·		
 1007 Demonstrate safety rules and regulations. 1008 Describe regulations, safety and consumer protection. 1009 Demonstrate first aid methods and procedures usin supplies in a first aid kit. 	(Choose Standards) 1-2-3-4 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	key terms, and other domain- specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into	• Standard CC.3.611-12 C -Produce clear and coherent writingappropriate 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.3.6.9-10.E • Standard CC.3.6.11-12.E. Use technology, including the Internet, to produce, publish, and update individual or shared	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Tigh School Graduation Tears: 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	Standard 2.0

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. A • Standard CC.3.5.9-10. A • Standard CC.3.5.9-10 B • Standard CC.3.5.9-10 B • Standard CC.3.5.11-12 B Determine the central ideas or conclusions of a text; etc. • Standard CC.3.5.9-10.C • Standard CC.3.5.9-10.C • Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. D • Standard CC.3.5.11-12.D Determine the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G	Subjects - Standard 3.6	
		Translate quantitative or technical information expressed in a text into		

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.J Standard CC.3.5.9-10.J 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.		

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. A • Standard CC.3.5.9-10 B • Standard CC.3.5.9-10 B • Standard CC.3.5.9-10.C • Standard CC.3.5.9-10.C • Standard CC.3.5.9-10.C • Standard CC.3.5.9-10.C • Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. D • Standard CC.3.5.11-12.D Determine the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G	Subjects - Standard 3.6	
		Translate quantitative or technical information expressed in a text into		

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.		

High	Secondary Competency Task List With Unit and Task Numbers School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
1300 1301 1302 1303 1304 1305		CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER PATHWAYS INCLUDE A. Power, Structural and Technical Systems (Choose Standards) 1-2-3-4-5 B. Natural Resources	· ·		MATH STANDARD AREA: NUMBERS AND OPERATIONS (FOR H.S.) 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
		Systems (Choose Standards) 1-2-3-4 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Determine the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G Translate quantitative or technical information expressed in a text into		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.

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.		

	Secondary Competency Task List	Common Career	CCS Standards For Reading for	CCS Standards For	CCS Standards
	With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
High	School Graduation Years: 2011, 2012 and 2013	Standards	Standard 3.5	Subjects - Standard 3.6	Standard 2.0
1400	ENGINE SYSTEMS				
1401	Define mechanical power, work, torque, and	CAREER CLUSTER:	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12)	TEXT TYPES AND PURPOSE (FOR GRADES	MATH STANDARD
	horsepower.	Agriculture, Food and Natural Resources	• Standard CC.3.5.9-10. A	9-10-11-12)	AREA: <u>NUMBERS AND</u> OPERATIONS
1402	Describe the purpose of drawbar power, Power	(Choose Standards)	• Standard CC.3.5.11-12 A Cite specific textual evidence, etc	• <u>Standard CC.3.6.9-10.A</u> • <u>Standard CC.3.6.11-12.A</u>	(FOR H.S.)
	Take-Off (PTO) power and brake power.	1-2-3-4-5-6	• Standard CC.3.5.9-10 B	Write arguments focused	Standard 2.1.HS.F.2
1403	Define the purpose of a clutch and demonstrate	G. Deren	• Standard CC.3.5.11-12. B Determine the central ideas or	on discipline-specific content.	Apply properties of rational and irrational numbers to
1403	how to remove and reinstall a clutch in a drive	CAREER PATHWAYS	conclusions of a text; etc.	• Standard CC.3.6.9-10.B	solve real world or
	train.	INCLUDE	• Standard CC.3.5.9-10.C	• Standard CC.3.6.11- 12.B	mathematical problems.
		A. Power, Structural	• Standard CC.3.5.11-12.C Follow precisely a complex	Write informative or	Standard 2.1.HS.F.4 Use units as a way to
1404	Define the purpose of gears, bearings and seals.	and Technical Systems (Choose Standards)	multistep procedure, etc	explanatory texts, including	understand problems and to
1405	List and describe the operation of two-and four-	1-2-3-4-5	CRAFT & STRUCTURE (FOR GRADES 9-10-11-12)	the narration of technical processes, etc.	guide the solution of multi- step problems.
	stroke engines.		• Standard CC.3.5.9-10. D	PRODUCTION & DIST. OF WRITING- (FOR	Standard 2.1.HS.F.5
1406	Demonstrate the use of specialized tools for small	B. Natural Resources	• Standard CC.3.5.11-12.D	GRADES 9-10-11-12)	Choose a level of accuracy
	engines such as wheel pullers, cylinder honing	Systems (Choose Standards)	Determine the meaning of symbols, key terms, and other domain-	• Standard CC.3.6.9-10.C	appropriate to limitations on measurement when
	tools and micrometers	1-2-3-4	specific words.	• <u>Standard CC.3.611-12 C</u> -Produce clear and	reporting quantities.
1407	List and repair a manual transmission used in a		• Standard CC.3.5.9-10.E	coherent writing	Standard 2.1.HS.F.6 Extend the knowledge of
1.07	tractor.	NOTE:	• Standard CC.3.5.11-12.E Analyze the structure of the	appropriate to task, purpose, and audience.	arithmetic operations and
1.400		Please refer to the Common Core	relationships among concepts in a	• Standard CC.3.6.9-10 D	apply to complex numbers.
1408	List the principles of operation for spark and	Technical Standards	text, etc. • Standard CC.3.5.9-10.F	• Standard CC.3.6.11-12.D Develop and strengthen	
	compression ignition engines.	booklet if you wish to add more Career	• Standard CC.3.5.11-12.F	writing as needed by	
1409	Demonstrate the use of measuring and calibration	Pathways for your local	Analyze the author's purpose in providing an explanation,	planning, revising, editing, rewriting, or trying a new	
	devices.	geographic area.	describing a procedure and	approach, focusing on	
1410	List and Identify the components and function of		Analyze the structure of the relationships among concepts in a	addressing what is most significant for a specific	
	engine parts.		text.	purpose and audience.	
1411	Disassemble and reassemble an engine using all		INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10)	 Standard CC.3.6.9-10.E Standard CC.3.6.11-12.E. 	
	diagnostic tools.		• Standard CC.3.5.9-10.G	Use technology, including	
1412			Translate quantitative or technical	the Internet, to produce, publish, and update	
1412	Troubleshoot an engine and return it to working		information expressed in a text into	individual or shared	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
order. 1413 Select engine coolants, lubricants, fuels, engine additives, electrical components and drive system needed for various applications. 1414 Identify the various types of diesel engines used agricultural power. 1415 Identify the components of a diesel engine. 1416 Identify the components and describe their function. 1417 List the engine diesel systems and their components. 1418 Disassemble and reassemble a diesel engine.		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. J 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.	writing products. RESEARCH (FOR GRADES 9-10-11-12) Standard CC.3.6.9-10.F Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. Standard CC.3.6.9- 10.G. 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.3.6.9-10.H. Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) Standard CC.3.5.9-10.I & Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	

High	Secondary Competency Task List With Unit and Task Numbers School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
1500 1501 1502 1503 1504			KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. A • Standard CC.3.5.1-12 A Cite specific textual evidence, etc • Standard CC.3.5.1-12. B Determine the central ideas or conclusions of a text; etc. • Standard CC.3.5.9-10.C • Standard CC.3.5.1-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. D • Standard CC.3.5.1-12.D		
		(Choose Standards) 1-2-3-4 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Determine the meaning of symbols, key terms, and other domain-specific words. • Standard CC.3.5.9-10.E • Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. • Standard CC.3.5.9-10.F • Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) • Standard CC.3.5.9-10.G Translate quantitative or technical		

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		information expressed in a text into visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.		

	Secondary Competency Task List	Common Career	CCS Standards For Reading for	CCS Standards For	CCS Standards
	With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
High	School Graduation Years: 2011, 2012 and 2013	Standards	Standard 3.5	Subjects - Standard 3.6	Standard 2.0
1600	MACHINERY AND EQUIPMENT SYSTEMS				
1601	Review operating and service manuals and	CAREER CLUSTER:	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12)	TEXT TYPES AND PURPOSE (FOR GRADES	MATH STANDARD
	schedules and conduct procedures as needed.	Agriculture, Food and Natural Resources	• Standard CC.3.5.9-10. A	9-10-11-12)	AREA: <u>NUMBERS AND</u> <u>OPERATIONS</u>
1602	Perform safety inspections in industrial,	(Choose Standards)	• Standard CC.3.5.11-12 A Cite specific textual evidence, etc	• <u>Standard CC.3.6.9-10.A</u> • <u>Standard CC.3.6.11-12.A</u>	(FOR H.S.)
	manufacturing or repair setting.	1-2-3-4-5-6	• Standard CC.3.5.9-10 B	Write arguments focused	Standard 2.1.HS.F.2 Apply properties of rational
1603	Adjust or set mechanical controls or components.	CAREER	• Standard CC.3.5.11-12. B Determine the central ideas or	on discipline-specific content.	and irrational numbers to
1604	Select, measure, use and calibrate testing devices	PATHWAYS INCLUDE	conclusions of a text; etc. • Standard CC.3.5.9-10.C	 Standard CC.3.6.9-10.B Standard CC.3.6.11- 	solve real world or mathematical problems.
	and the machines.	A. Power, Structural	• Standard CC.3.5.11-12.C	12.B Write informative or	Standard 2.1.HS.F.4
1605	Move or fit heavy objects.	and Technical Systems	Follow precisely a complex multistep procedure, etc	explanatory texts, including	Use units as a way to understand problems and to
1606	Perform disassembly and assembly procedures.	(Choose Standards) 1-2-3-4-5	CRAFT & STRUCTURE (FOR GRADES 9-10-11-12)	the narration of technical processes, etc.	guide the solution of multi- step problems.
1607	Select, connect, engage and operate machinery and		• Standard CC.3.5.9-10. D	PRODUCTION & DIST. OF WRITING- (FOR	Standard 2.1.HS.F.5
	power units.	B. Natural Resources Systems	• Standard CC.3.5.11-12.D Determine the meaning of symbols,	GRADES 9-10-11-12)	Choose a level of accuracy appropriate to limitations on
1608	Lubricate machinery, equipment or parts.	(Choose Standards)	key terms, and other domain-	 Standard CC.3.6.9-10.C Standard CC.3.611-12 C 	measurement when reporting quantities.
1609	Demonstrate the correct selection and use of	1-2-3-4	specific words. • Standard CC.3.5.9-10.E	-Produce clear and coherent writing	Standard 2.1.HS.F.6
	agricultural machinery and equipment systems.	NOTE:	• Standard CC.3.5.11-12.E	appropriate to task, purpose, and audience.	Extend the knowledge of arithmetic operations and
1610	Demonstrate the use of auxiliary systems including	Please refer to the Common Core	Analyze the structure of the relationships among concepts in a	• Standard CC.3.6.9-10 D	apply to complex numbers.
	hydraulics, pneumatics and electronics.	Technical Standards	text, etc. • Standard CC.3.5.9-10.F	• Standard CC.3.6.11-12.D Develop and strengthen	
1611	Conduct troubleshooting procedures.	booklet if you wish to add more Career	• Standard CC.3.5.11-12.F	writing as needed by	
1612	Test electrical/electronic wiring, equipment,	Pathways for your local geographic area.	Analyze the author's purpose in providing an explanation,	planning, revising, editing, rewriting, or trying a new	
	systems or fixtures.	geograpine area.	describing a procedure and Analyze the structure of the	approach, focusing on addressing what is most	
1613	Repair or replace electrical wiring, circuits, fixtures		relationships among concepts in a	significant for a specific purpose and audience.	
	or equipment.		text. INTEGRATE KNOWLEDGE &	• Standard CC.3.6.9-10.E	
			IDEAS (FOR GRADES 9-10)	• Standard CC.3.6.11-12.E. Use technology, including	
			• Standard CC.3.5.9-10.G	the Internet, to produce,	
			Translate quantitative or technical	publish, and update	
			information expressed in a text into	individual or shared	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
Tigh School Graduation Tears: 2011, 2012 and 2013		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.1-12.J By the end of grades 9-10, AND 11-12, read and comprehend technical texts independently and proficiently.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I and research. Range of tasks, purposes and audiencesetc.	Stanuaru 2.0

	Secondary Competency Task List	Common Career	CCS Standards For Reading for	CCS Standards For	CCS Standards
	With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
High	School Graduation Years: 2011, 2012 and 2013	Standards	Standard 3.5	Subjects - Standard 3.6	Standard 2.0
1700	ENERGY SYSTEMS				
1701	Identify the parts and functions of specific energy	CAREER CLUSTER:	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12)	TEXT TYPES AND PURPOSE (FOR GRADES	MATH STANDARD
	systems to include electrical power, solar power,	Agriculture, Food and Natural Resources	• Standard CC.3.5.9-10. A	9-10-11-12)	AREA: <u>NUMBERS AND</u> <u>OPERATIONS</u>
	wind power, mechanical power and	(Choose Standards)	• Standard CC.3.5.11-12 A Cite specific textual evidence, etc	 Standard CC.3.6.9-10.A Standard CC.3.6.11-12.A 	(FOR H.S.)
	chemical/carbon-based power systems.	1-2-3-4-5-6	• Standard CC.3.5.9-10 B	Write arguments focused	Standard 2.1.HS.F.2 Apply properties of rational
1702	Perform energy system maintenance, testing and	CAREER	• Standard CC.3.5.11-12. B Determine the central ideas or	on discipline-specific content.	and irrational numbers to
	evaluation.	PATHWAYS	conclusions of a text; etc.	• Standard CC.3.6.9-10.B	solve real world or mathematical problems.
1703	Discuss and explain the operating principles for	INCLUDE	• Standard CC.3.5.9-10.C • Standard CC.3.5.11-12.C	• <u>Standard CC.3.6.11-</u> 12.B	Standard 2.1.HS.F.4
	energy systems.	A. Power, Structural and Technical Systems	Follow precisely a complex	Write informative or explanatory texts, including	Use units as a way to
1704	Explain and describe the principles of power	(Choose Standards)	multistep procedure, etc CRAFT & STRUCTURE	the narration of technical	understand problems and to guide the solution of multi-
	transmission, heat transfer, evaporation, fluid	1-2-3-4-5	(FOR GRADES 9-10-11-12)	processes, etc. PRODUCTION & DIST.	step problems.
	movement, conductivity, satellite transmission,	B. Natural Resources	• Standard CC.3.5.9-10. D • Standard CC.3.5.11-12.D	OF WRITING- (FOR	Standard 2.1.HS.F.5 Choose a level of accuracy
	conservation and regulations.	Systems	Determine the meaning of symbols,	GRADES 9-10-11-12) • Standard CC.3.6.9-10.C	appropriate to limitations on measurement when
1705	Identify computer applications, remote sensing and	(Choose Standards) 1-2-3-4	key terms, and other domain- specific words.	• Standard CC.3.611-12 C -Produce clear and	reporting quantities.
	automatic controls to manage systems.	1-2-3-4	• Standard CC.3.5.9-10.E	coherent writing	Standard 2.1.HS.F.6
1706	Identify and investigate emerging technologies and	NOTE:	• Standard CC.3.5.11-12.E Analyze the structure of the	appropriate to task, purpose, and audience.	Extend the knowledge of arithmetic operations and
1700	their economic impact on energy systems.	Please refer to the Common Core	relationships among concepts in a	• Standard CC.3.6.9-10 D	apply to complex numbers.
1707	Identify appropriate industry standards for energy	Technical Standards	text, etc. • Standard CC.3.5.9-10.F	• Standard CC.3.6.11-12.D Develop and strengthen	
1707		booklet if you wish to add more Career	• Standard CC.3.5.11-12.F	writing as needed by	
	systems.	Pathways for your local	Analyze the author's purpose in providing an explanation,	planning, revising, editing, rewriting, or trying a new	
		geographic area.	describing a procedure and	approach, focusing on	
			Analyze the structure of the	addressing what is most	
			relationships among concepts in a	significant for a specific purpose and audience.	
			text.	• Standard CC.3.6.9-10.E	
			INTEGRATE KNOWLEDGE &	• Standard CC.3.6.11-12.E.	
			IDEAS (FOR GRADES 9-10)	Use technology, including	
			• Standard CC.3.5.9-10.G	the Internet, to produce,	
			Translate quantitative or technical	publish, and update	
			information expressed in a text into	individual or shared	

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9-10.G. • 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.3.6.9-10.H. • Standard CC.3.6.9-10.H. • Standard CC.3.6.11-12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I. & • Standard CC.3.5.11-12.I. Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	

	Secondary Competency Task List	Common Career	CCS Standards For Reading for	CCS Standards For	CCS Standards
	With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
High	School Graduation Years: 2011, 2012 and 2013	Standards	Standard 3.5	Subjects - Standard 3.6	Standard 2.0
1800	STRUCTURAL SYSTEMS				
1801	Explain a site evaluation and determine elevation,	CAREER CLUSTER:	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12)	TEXT TYPES AND PURPOSE (FOR GRADES	MATH STANDARD
	slope and cut and fill requirements.	Agriculture, Food and Natural Resources	• Standard CC.3.5.9-10. A	9-10-11-12)	AREA: <u>NUMBERS AND</u> <u>OPERATIONS</u>
1802	Interpret plans and drawings for structures with	(Choose Standards)	• Standard CC.3.5.11-12 A Cite specific textual evidence, etc	• Standard CC.3.6.9-10.A • Standard CC.3.6.11-12.A	(FOR H.S.)
	consideration to building codes, regulations and	1-2-3-4-5-6	• Standard CC.3.5.9-10 B	Write arguments focused	Standard 2.1.HS.F.2 Apply properties of rational
	inspection requirements.	CAREER	• Standard CC.3.5.11-12. B Determine the central ideas or	on discipline-specific content.	and irrational numbers to
1803	Develop an itemized bill of materials, determine	PATHWAYS	conclusions of a text; etc. • Standard CC.3.5.9-10.C	• Standard CC.3.6.9-10.B • Standard CC.3.6.11-	solve real world or mathematical problems.
	costs, delivery and storage requirements and	INCLUDE A. Power, Structural	• Standard CC.3.5.11-12.C	12.B	Standard 2.1.HS.F.4
	construction time.	and Technical Systems	Follow precisely a complex multistep procedure, etc	Write informative or explanatory texts, including	Use units as a way to understand problems and to
1804	Layout a structure foundation, erect batter boards	(Choose Standards)	CRAFT & STRUCTURE	the narration of technical	guide the solution of multi-
	and frames and/or forms.	1-2-3-4-5	(FOR GRADES 9-10-11-12)	processes, etc. PRODUCTION & DIST.	step problems. Standard 2.1.HS.F.5
1805	Identify and evaluate building construction	B. Natural Resources	• Standard CC.3.5.9-10. D • Standard CC.3.5.11-12.D	OF WRITING- (FOR GRADES 9-10-11-12)	Choose a level of accuracy
	materials, methods and styles.	Systems (Choose Standards)	Determine the meaning of symbols,	• Standard CC.3.6.9-10.C	appropriate to limitations on measurement when
1806	Calculate ventilation, insulation, heating, cooling,	1-2-3-4	key terms, and other domain- specific words.	• Standard CC.3.611-12 C -Produce clear and	reporting quantities.
	lighting, electrical, water and waste handling needs.		• Standard CC.3.5.9-10.E	coherent writingappropriate to task,	Standard 2.1.HS.F.6 Extend the knowledge of
1807	Calculate, mix and finish concrete and masonry	NOTE: Please refer to the	• Standard CC.3.5.11-12.E Analyze the structure of the	purpose, and audience.	arithmetic operations and apply to complex numbers.
	units.	Common Core	relationships among concepts in a text, etc.	• Standard CC.3.6.9-10 D • Standard CC.3.6.11-12.D	STANDARD AREA:
1808	Design and construct wall and roofing systems.	Technical Standards booklet if you wish to	• Standard CC.3.5.9-10.F	Develop and strengthen writing as needed by	ALGEBRA Standard 2.2.HS.C.9
1809	Design, form and pour stepping stones for a garden.	add more Career Pathways for your local	• Standard CC.3.5.11-12.F Analyze the author's purpose in	planning, revising, editing,	Prove the Pythagorean
		geographic area.	providing an explanation,	rewriting, or trying a new approach, focusing on	identity and use it to calculate trigonometric
		6 9 mr	describing a procedure and	approach, focusing on addressing what is most	ratios.
			Analyze the structure of the relationships among concepts in a	significant for a specific	STANDARD AREA:
			text.	purpose and audience.	GEOMETRY
			INTEGRATE KNOWLEDGE &	• Standard CC.3.6.9-10.E	Standard 2.3.HS.A.7
			IDEAS (FOR GRADES 9-10)	• Standard CC.3.6.11-12.E.	Apply trigonometric
			• Standard CC.3.5.9-10.G	Use technology, including	ratios to solve problems
			Translate quantitative or technical	the Internet, to produce,	involving right triangles.
			information expressed in a text into	publish, and update individual or shared	Standard 2.3.HS.A.3

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.J 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.	writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	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.

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
1900 DEMONSTRATE WOOD FRAME CONSTRUCTION				
1901 Select lumber for a specific application for an agricultural structure. 1902 Identify and select proper roofing materials.	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER 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 NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.			MATH STANDARD AREA: NUMBERS AND OPERATIONS (FOR H.S.) 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 AREA: ALGEBRA Standard 2.2.HS.C.9 Prove the Pythagorean identity and use it to calculate trigonometric ratios. STANDARD AREA: GEOMETRY Standard 2.3.HS.A.7 Apply trigonometric ratios to solve problems involving right triangles.

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
				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.

High	Secondary Competency Task List With Unit and Task Numbers School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
2000 2001 2002 2003 2004	With Unit and Task Numbers	Technical Core	Technical Subjects	Writing for Technical	For Mathematics
	and treatment procedures that may be needed.	NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Standard CC.3.5.9-10.E Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. Standard CC.3.5.9-10.F Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G Translate quantitative or technical		

Secondary Competency Task List With Unit and Task Numbers High School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
		information expressed in a text into visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • 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.		

High	Secondary Competency Task List With Unit and Task Numbers School Graduation Years: 2011, 2012 and 2013	Common Career Technical Core Standards	CCS Standards For Reading for Technical Subjects Standard 3.5	CCS Standards For Writing for Technical Subjects - Standard 3.6	CCS Standards For Mathematics Standard 2.0
2100 2101 2102	ENVIRONMENTAL AND NATURAL RESOURCE SYSTEMS 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	CAREER CLUSTER: Agriculture, Food and Natural Resources (Choose Standards) 1-2-3-4-5-6 CAREER PATHWAYS INCLUDE	KEY IDEAS/DETAILS (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. A • Standard CC.3.5.1-12 A Cite specific textual evidence, etc • Standard CC.3.5.1-12. B Determine the central ideas or conclusions of a text; etc. • Standard CC.3.5.9-10.C	TEXT TYPES AND PURPOSE (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.A • Standard CC.3.6.11-12.A Write arguments focused on discipline-specific content. • Standard CC.3.6.9-10.B • Standard CC.3.6.11-	MATH STANDARD AREA: NUMBERS AND OPERATIONS (FOR H.S.) Standard 2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real world or mathematical problems.
2103 2104	use, soil, watershed, wildlife and natural resource management and conservation. Use global positioning systems, remote sensing and collection equipment for various applications. Read legal land descriptions and determine land areas using maps and on-site measuring techniques.	A. Power, Structural and Technical Systems (Choose Standards) 1-2-3-4-5 B. Natural Resources Systems (Choose Standards) 1-2-3-4	• Standard CC.3.5.11-12.C • Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc CRAFT & STRUCTURE (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10. D • Standard CC.3.5.11-12.D Determine the meaning of symbols, key terms, and other domain-specific words.	12.B Write informative or explanatory texts, including the narration of technical processes, etc. PRODUCTION & DIST. OF WRITING- (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.C • Standard CC.3.6.11-12 C -Produce clear and	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.
2105 2106	Identify, construct and evaluate storage and waste disposal systems and procedures. Assemble environmental and natural resource systems equipment and structures.	NOTE: Please refer to the Common Core Technical Standards booklet if you wish to add more Career Pathways for your local geographic area.	Standard CC.3.5.9-10.E Standard CC.3.5.11-12.E Analyze the structure of the relationships among concepts in a text, etc. Standard CC.3.5.9-10.F Standard CC.3.5.11-12.F Analyze the author's purpose in providing an explanation, describing a procedure and Analyze the structure of the relationships among concepts in a text. INTEGRATE KNOWLEDGE & IDEAS (FOR GRADES 9-10) Standard CC.3.5.9-10.G Translate quantitative or technical	coherent writingappropriate to task, purpose, and audience. • <u>Standard CC.3.6.9-10 D</u> • <u>Standard CC.3.6.11-12.D</u> 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. • <u>Standard CC.3.6.9-10.E</u> • <u>Standard CC.3.6.11-12.E.</u> Use technology, including the Internet, to produce, publish, and update	Standard 2.1.HS.F.6 Extend the knowledge of arithmetic operations and apply to complex numbers.

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		information expressed in a text into visual form (e.g., a table or chart). • Standard CC.3.5.9-10. H Assess the reasoning in a text to support the author's claim for solving a technical problem. • Standard CC.3.5.9-10. I Compare and contrast findings presented in a text to those from other sources, etc. INTEGRATE KNOWLEDGE & IDEAS FOR 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 info. from a range of sources into a coherent understanding. RANGE OF READING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.J 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.	individual or shared writing products. RESEARCH (FOR GRADES 9-10-11-12) • Standard CC.3.6.9-10.F • Standard CC.3.6.11-12.F Conduct short and more sustained research to answer a question or solve a problem. • Standard CC.3.6.9- 10.G. • 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.3.6.9-10.H. • Standard CC.3.6.11- 12.H. Draw evidence from informational texts to support analysis, reflection, and research. RANGE OF WRITING (FOR GRADES 9-10-11-12) • Standard CC.3.5.9-10.I & • Standard CC.3.5.9-10.I Write routinely over extended time frames and shorter time frames for a range of tasks, purposes and audiencesetc.	