

# Standards Correlations:

## Agricultural Production Technology (8010)

Task	SOL Correlations
<b>Demonstrating Personal Qualities and Abilities</b>	
Demonstrate creativity and innovation.	<p>English: 6.1, 6.3, 6.4, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 8.2, 8.4, 8.6, 8.7, 8.11, 8.12, 8.17, 8.18, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, AII.9, COM.1, COM.3, COM.4, COM.5, COM.8, DM.7, DM.1*, DM.10, DM.2*, DM.3*, PS.3*, PS.4*, PS.7*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>
Demonstrate critical thinking and problem solving.	<p>English: 6.1, 6.3, 6.4, 6.5, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.5, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.10, 6.11, 7.2, 7.3, 7.8, 7.12, 7.13, 8.2, 8.4, 8.8, 8.9, 8.10, 8.11, A.8, A.9, G.1, G.13, G.14, AFDA.3, AFDA.5, AFDA.8, AII.9, AII.10, AII.11, COM.1, COM.3, COM.4, COM.5, COM.8, DM.4, DM.7, DM.1*, DM.2*, DM.3*, DM.9*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>
Demonstrate initiative and self-direction.	<p>English: 6.1, 6.4, 6.6, 6.7, 6.9, 7.1, 7.4, 7.6, 7.7, 7.9, 8.1, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p>
Demonstrate integrity.	<p>English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5</p> <p>History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p>

<b>Task</b>	<b>SOL Correlations</b>
Demonstrate work ethic.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
<b>Demonstrating Interpersonal Skills</b>	
Demonstrate conflict-resolution skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.4, 8.6, 8.7, 8.9, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, VUS.1
Demonstrate listening and speaking skills.	English: 6.1, 6.2, 6.4, 6.6, 7.1, 7.2, 7.4, 7.6, 8.1, 8.2, 8.4, 8.6, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate respect for diversity.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, USII.9, VUS.1, VUS.13, WG.1, WHI.1, WHII.1
Demonstrate customer service skills.	English: 6.1, 6.4, 6.7, 7.1, 7.4, 7.7, 8.1, 8.4, 8.7, 9.1, 9.5, 9.6, 10.1, 10.5, 10.6, 11.1, 11.5, 11.6, 12.1, 12.5, 12.6 History and Social Science: CE.1, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Collaborate with team members	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
<b>Demonstrating Professional Competencies</b>	
Demonstrate big-picture thinking.	English: 6.1, 6.4, 7.1, 7.4, 8.1, 8.4, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate career- and life-management skills.	English: 6.1, 6.7, 7.1, 7.7, 8.1, 8.7, 9.1, 9.6, 10.1, 10.6, 11.1, 11.6, 12.1, 12.6 History and Social Science: CE.1, CE.4, CE.12, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 8.4

Task	SOL Correlations
Demonstrate continuous learning and adaptability.	English: 6.1, 6.4, 6.7, 6.9, 7.1, 7.4, 7.7, 7.9, 8.1, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.3, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: BIO.1, CH.1, LS.1, PH.1, PH.4, PS.1
Manage time and resources.	English: 6.1, 6.2, 6.4, 6.7, 6.9, 7.1, 7.2, 7.4, 7.7, 7.9, 8.1, 8.2, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 8.4, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, A.4, A.5, A.8, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, COM.1, COM.3, COM.5, COM.8
Demonstrate information-literacy skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.9, 9.2, 9.5, 9.6, 9.8, 10.2, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.8, 7.9, 8.11, 8.12, A.8, A.9, AFDA.3, AFDA.4, AFDA.6, AFDA.7, AFDA.8, DM.8, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate an understanding of information security.	English: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.5, 9.6, 9.8, 10.1, 10.2, 10.5, 10.6, 10.8, 11.1, 11.2, 11.5, 11.6, 11.8, 12.1, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: COM.10
Maintain working knowledge of current information-technology (IT) systems.	English: 6.1, 6.3, 6.4, 6.6, 6.9, 7.1, 7.3, 7.4, 7.6, 7.9, 8.1, 8.3, 8.4, 8.6, 8.9 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17

<b>Task</b>	<b>SOL Correlations</b>
	Science: BIO.1, CH.1, ES.1, PH.1
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.9, 8.4, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AII.4, AII.7, AII.9, COM.1, COM.7, COM.10, COM.11, COM.12, COM.16 Science: CH.1, ES.1, LS.1, PH.1, PS.1
Apply mathematical skills to job-specific tasks.	English: 6.4, 6.6, 6.7, 7.4, 7.6, 7.7, 8.4, 8.6, 8.7, 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.5, 6.6, 6.12, 6.13, 6.14, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13, 8.4, 8.5, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, A.1, A.3, A.4, A.5, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AFDA.8, AII.3, AII.7, AII.9, AII.10, COM.1, COM.7 Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate professionalism.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate reading and writing skills.	English: 6.1, 6.6, 6.7, 7.1, 7.6, 7.7, 8.1, 8.6, 8.7, 9.1, 9.5, 9.6, 9.7, 10.1, 10.5, 10.6, 10.7, 11.1, 11.5, 11.6, 11.7, 12.1, 12.5, 12.6, 12.7 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: 6.1, PH.1, PS.1
Demonstrate workplace safety.	English: 6.4, 7.4, 8.4, 9.5, 10.5, 11.5, 12.5 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
<b>Examining All Aspects of an Industry</b>	
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16
Examine aspects of management within an	

<b>Task</b>	<b>SOL Correlations</b>
industry/organization.	
Examine aspects of financial responsibility within an industry/organization.	
Examine technical and production skills required of workers within an industry/organization.	
Examine principles of technology that underlie an industry/organization.	
Examine labor issues related to an industry/organization.	History and Social Science: GOVT.16
Examine community issues related to an industry/organization.	History and Social Science: GOVT.16
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16
<b>Addressing Elements of Student Life</b>	
Identify the purposes and goals of the student organization.	
Explain the benefits and responsibilities of	

Task	SOL Correlations
membership in the student organization as a student and in professional/civic organizations as an adult.	
Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.	
Identify Internet safety issues and procedures for complying with acceptable use standards.	
<b>Exploring Work-Based Learning</b>	
Identify the types of work-based learning (WBL) opportunities.	
Reflect on lessons learned during the WBL experience.	
Explore career opportunities related to the WBL experience.	
Participate in a WBL experience, when appropriate.	
<b>Exploring Leadership Opportunities through FFA</b>	
Identify the role of supervised agricultural experiences	English: 9.3, 9.5, 10.3, 10.5

<b>Task</b>	<b>SOL Correlations</b>
(SAEs) in agricultural education.	
Participate in an SAE.	English: 9.5, 9.8, 10.5, 10.8
Identify the benefits and responsibilities of FFA membership.	English: 9.5, 9.6, 9.7, 9.8, 10.5, 10.6, 10.7, 10.8
Describe leadership characteristics and opportunities as they relate to agriculture and FFA.	English: 9.5, 10.5 History and Social Science: VUS.8, VUS.9, VUS.10, VUS.11, WHII.8, WHII.10, WHII.11
Apply for an FFA degree and/or an agricultural proficiency award.	English: 9.5, 10.5

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
<b>Demonstrating Safety Skills in Agricultural Production</b>		
Identify risks/hazards in an agricultural operation.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PST.02.02.02.a CS.03.04
Explain basic traumatic and medical emergency procedures.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	CS.03.03
Demonstrate safety in an agricultural operation.	History and Social Science: WHII.1; VUS.1	PSt.02.02.02.b

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
		CS.03.04
Identify public safety issues pertaining to agricultural operations.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 14	CS.04
Perform lockout/tagout (LOTO) procedures in an agricultural production setting.	English: 10.3, 10.5, 11.3, 11.5	CS.03.04
Identify regulations related to labor in the agricultural production operation.	English: 10.5, 11.5 History and Social Science: WHII.1,14; VUS.1, 8, 13, 14	CS.03
(Optional) Participate in a farm safety day.	English: 10.1, 11.1 History and Social Science: WHII.1; VUS.1	
<b>Applying Safety Practices for Carpentry and Metalworking in Agriculture</b>		
Demonstrate safe practices in the agricultural mechanics lab/workshop.	English: 10.5, 10.6, 10.7, 11.5, 11.6, 11.7 History and Social Science: WHII.1, 14; VUS.1, 8, 13, 14	PST.01.03 PST.02.02 CS.03.04
Identify marked safety areas and equipment.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 8, 13, 14	CS.03.04
Explain the use of eyewash stations.	English: 10.5, 11.5	CS.03.04

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
	History and Social Science: WHII.1; VUS.1	
Identify the location of posted evacuation routes in the lab.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	CS.03.04
Identify the importance of having a plan for an emergency on a farm enterprise.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	CS.03.04
Demonstrate knowledge of SDS.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 8, 13, 14	CS.03.04
Demonstrate the safe use of chemicals.	History and Social Science: WHII.1; VUS.1, 14	PS.03.03.04.b CS.03.04
Demonstrate the safe use of standard and metric hand tools.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PST.02.02 CS.03.04
Demonstrate the safe use of power tools.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 14	PST.02.02 CS.03.04
Demonstrate the safe use of precision standard and metric measuring tools.	History and Social Science: WHII.1; VUS.1	PST.02.02 CS.03.04
Demonstrate the use of protective clothing and equipment.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	CS.03.04

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
Demonstrate the safe use of fire-protection equipment.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	CS.03.04
Demonstrate the safe use of equipment.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	CS.03.04
<b>Using Mechanics in Agricultural Production</b>		
Demonstrate standard measurement techniques used in agricultural mechanics.	English: 10.3, 10.5, 11.3, 11.5 Mathematics: G.13	CS.03.04 PST.04
Calculate a bill of materials.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1 Mathematics: G.9, G.13, G.14	PST.04.01.01.a PST.04.02
Demonstrate carpentry skills.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PST.04.03
(Optional) Demonstrate metalworking skills.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PST.01.03
Construct a section of farm fence.	English: 10.5, 11.5	PST.01.02 PST.04 PST.04.02
Identify major farm machinery common to agricultural production.	English: 10.5, 10.8, 11.5, 11.8 History and Social Science: WHII.14; VUS.14	CS.03.04 PST.01.03

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
<b>Using Soil Science in Agricultural Production</b>		
Describe the soil-formation process and components of soil.	English: 10.3, 10.5, 10.8, 11.3, 11.5, 11.8	PS.01.02 PS.03.02 ESS.03.02
Evaluate the physical and chemical properties of soil.	English: 10.5, 11.5	PS.01.02 PS.03.02 ESS.03.02
Analyze soil characteristics.	English: 10.5, 11.5	PS.01.02 PS.03.02 ESS.03.02
Create soil amendment recommendations for a given crop or land use.	History and Social Science: WHII.1; VUS.1 Mathematics: AII.3	PS.01.02 PS.03.02 ESS.03.02
Examine best management practices for improving soil health.	English: 10.5, 11.5	PS.01.02 PS.03.02 ESS.03.02
Describe erosion, its effects on the environment, and prevention methods.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	PS.01.02 ESS.03.02

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
(Optional) Conduct a water percolation test.	English: 10.5, 11.5	
Demonstrate how to use the USDA Web Soil Survey.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	
(Optional) Devise a soil-management plan to minimize erosion and maximize biodiversity, plant productivity, and the formation of topsoil.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 14	PS.01.02 PS.03.02 ESS.03.02
<b>Using Plant Science in Agricultural Crop Production</b>		
Identify grain, forage, oil, and specialty field crops.	English: 10.5, 11.5	PS.03.02
(Optional) Identify vegetable crops.	English: 10.5, 11.5	PS.03.02
(Optional) Identify fruit and nut crops.	English: 10.5, 11.5	PS.03.02
Identify the essential nutrients and their major functions for optimal plant growth and development.	English: 10.5, 11.5	PS.03.02
Identify common plant nutrient deficiencies and injury symptoms.	English: 10.5, 11.5	PS.03.02
Analyze the influence of environmental factors on plant growth.	English: 10.5, 11.5	PS.03.02

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
	History and Social Science: WHII.1, 14; VUS.1, 14	
Identify principles and practices of sustainable crop production.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	PS.03.04
Explain the importance of using sustainable and regenerative agriculture practices.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	PS.03.04
Prepare growing media for use in plant cultivation systems.	English: 10.5, 11.5	PS.01.02
Develop a management plan for plant production.	English: 10.5, 10.6, 11.5, 11.6 History and Social Science: WHII.1; VUS.1 Mathematics: AII.1	PS.01.03
Propagate plants based on current industry standards.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	PS.03
(Optional) Demonstrate crop-sampling techniques.	English: 10.5, 11.5	
Analyze crop samples.	English: 10.5, 11.5	PS.03.04
Evaluate disease- and pest-control measures.	English: 10.5, 11.5	PS.03.03
<b>Describing Pest Management</b>		

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
Explain how to handle pesticides safely.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1 Mathematics: AII.1	PS.03.03
Explain the importance of pesticide labeling.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PS.03.03
Identify the application of different types of pesticides.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	PS.03.03
Develop a plan for integrated pest management (IPM) for plant production.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PS.03.03
<b>Managing Natural Resources</b>		
Describe how agriculture and the environment are interrelated.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	PS.03.04
Describe best management practices to protect soil and water resources.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	PS.03.04
(Optional) Describe best management practices for the forest.	English: 10.3, 10.5, 11.3, 11.5 History and Social Science: WHII.1; VUS.1, 14	NRS.04
(Optional) Describe best management practices for wildlife.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1, 14	NRS.04.02 NRS.04.03
<b>Exploring Livestock and Poultry Production</b>		

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
Determine requirements for establishing and managing an animal enterprise.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	AS.01.01 AS.01.02 AS.05.02
Explain criteria for selecting poultry and livestock.	English: 10.5, 11.5	AS.01.01 AS.04
Describe nutritional requirements for poultry and livestock.	English: 10.5, 11.5	AS.03
Describe poultry and livestock healthcare requirements.	English: 10.5, 11.5	AS.07
<b>Developing Business Aspects of an Agricultural Enterprise</b>		
Explain the benefits and liabilities of owning an agricultural business.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	ABS.01.03 ABS.02
Identify the components of a business plan for an agricultural enterprise.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	ABS.04
Explore government agencies, regulations, and incentives.	English: 10.5, 10.8, 11.5, 11.8 History and Social Science: WHII.14; VUS.14	ABS.02
Describe marketing options for an agricultural enterprise.	English: 10.5, 11.5	ABS.05

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
	History and Social Science: WHII.14; VUS.14	
Explain the importance of establishing and maintaining a financial and production record-keeping system for an agricultural enterprise.	English: 10.5, 10.6, 10.7, 11.5, 11.6, 11.7 History and Social Science: WHII.14; VUS.14	ABS.02.02
<b>Understanding Technologies used in Agriculture Management</b>		
Describe technologies used in agriculture and their importance.	English: 10.5, 11.5 History and Social Science: WHII.14; VUS.14	
Describe the equipment necessary for a GPS to provide applications used in agriculture.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 14	AS.05.01.02.c PS.03.04.01.b CS.01.02
Describe the procedure for operating a GPS receiver.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 14	CS.01.02
(Optional) Research technologies used in agriculture management.	English: 10.5, 10.8, 11.5, 11.8 History and Social Science: WHII.1, 14; VUS.1, 14	CS.01.02

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
(Optional) Collect and apply data in the development of a map.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	NRS.03.02
<b>Exploring Security in Agricultural Industries</b>		
Define <i>biosecurity</i> .	English: 10.5, 11.5 History and Social Science: WHII. 14; VUS. 14	
Describe biosecurity procedures in agricultural production.	English: 10.5, 11.5 History and Social Science: WHII.1, 14; VUS.1, 14	AS.07.02
Identify biosecurity risks in an agricultural production enterprise.	English: 10.5, 11.5 History and Social Science: WHII.1; VUS.1	AS.07.02
Define <i>agroterrorism</i> .	English: 10.5, 11.5 History and Social Science: WHII. 14; VUS. 14	
Describe internal and external measures to prevent agroterrorism related to an agricultural enterprise.	English: 10.5, 11.5 History and Social Science: WHII. 14; VUS. 14	

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
Identify agroterrorism risks related to an agricultural enterprise.	English: 10.5, 11.5 History and Social Science: WHII. 14; VUS. 14	ABS.04.03
Define <i>cybersecurity</i> as it relates to agricultural production.	English: 10.3, 10.5, 11.3, 11.5 History and Social Science: WHII. 14; VUS. 14	ABS.04.03
Describe measures to prevent cybersecurity breaches in an agricultural production enterprise.	English: 10.5, 11.5 History and Social Science: WHII. 14; VUS. 14	ABS.04.03
Identify cybersecurity risks related to an agricultural production enterprise.	English: 10.5, 11.5 History and Social Science: WHII. 14; VUS. 14	ABS.04.03
<b>Exploring the Use of Drones for Agriculture</b>		
Explain uses of drones in agriculture.	English: 10.5, 11.5	PST.05.01
Research the types of drones used in agriculture.	English: 10.5, 11.5	PST.05.01
Identify safety precautions and standard operating procedures for flying drones.	English: 10.5, 11.5	PST.05.01
Describe the Federal Aviation Administration (FAA) Part 107 guidelines.	English: 10.5, 11.5 History and Social Science: GOVT. 7, 9	PST.05.01
(Optional) Prepare a drone for flight.	English: 10.5, 11.5	PST.05.01
(Optional) Fly a drone, adhering to all safety requirements, industry	English: 10.5, 11.5	PST.05.01

<b>Task</b>	<b>SOL Correlations</b>	<b>AFNR Correlations</b>
recommended practices, and instructor guidelines.		