

Standards Correlations

Agricultural Education – Preparation (8050)

Agricultural Education – Development (8053)

Task	SOL Correlations
Demonstrating Personal Qualities and Abilities	
Demonstrate creativity and innovation.	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 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 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* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1
Demonstrate critical thinking and problem solving.	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 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 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*

Task	SOL Correlations
	Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1
Demonstrate initiative and self-direction.	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 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate integrity.	English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 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
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
Demonstrating Interpersonal Skills	
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

Task	SOL Correlations
	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
Demonstrating Professional Competencies	
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
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*

Task	SOL Correlations
	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 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

Task	SOL Correlations
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
Examining All Aspects of an Industry	
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16
Examine aspects of management within an 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
Addressing Elements of Student Life	

Task	SOL Correlations
Identify the purposes and goals of the student organization.	
Explain the benefits and responsibilities of 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.	
Exploring Work-Based Learning	
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.	
Exploring Leadership Opportunities through FFA	
Identify the role of supervised agricultural experiences (SAEs) in agricultural education.	English: 9.3, 9.5, 10.3, 10.5
Participate in an SAE.	English: 9.5, 9.8, 10.5, 10.8

Task	SOL Correlations
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
Orienting the Student to Agricultural Science and Mathematics	
Define <i>agriculture</i> and related terms.	English: 9.3, 9.5, 10.4, 11.4, 12.4 Science: BIO.8, ES.6
Maintain professional standards.	English: 9.3, 9.5, 10.4, 12.4
Demonstrate safety procedures for personal protection.	History and Social Science: VUS.8, WHII.8 Science: CH.1
Identify resources and agencies related to agriculture issues.	English: 9.3, 9.5, 10.4, 11.4, 12.4 History and Social Science: GOVT.7, GOVT.8, GOVT.14, GOVT.15, VUS.8, VUS.13, VUS.14, WHII.8
Research career opportunities related to agriculture, food, and natural resources.	English: 9.8, 10.8, 11.8, 12.8
Exploring Plant Propagation	
Identify classifications of plants.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.4

Task	SOL Correlations
Identify plant parts.	English: 9.5, 10.5, 11.4, 12.5 Science: BIO.4
Identify requirements for plant growth.	History and Social Science: WHI.2, WHI.3 Science: BIO.2
Identify soil characteristics.	History and Social Science: WHI.2, WHI.3 Science: ES.8
Demonstrate soil sampling and testing procedures.	English: 9.5, 10.4, 11.4, 12.4
Determine plant nutrition requirements.	
Identify types and forms of fertilizers.	English: 9.5, 10.4, 11.4, 12.4
Apply soil amendments.	
Define terms related to plant propagation.	English: 9.3, 10.4, 11.4, 12.4
Identify methods of plant reproduction.	English: 9.5, 10.4, 11.4, 12.4
Demonstrate asexual propagation methods.	
Prepare media/substrate for plant growth.	English: 9.2, 9.5, 10.4, 11.4, 12.4
Demonstrate plant care.	
Identify pests and diseases.	English: 9.5, 10.4, 11.4, 12.4
Define terms related to pest management.	English: 9.5, 9.8, 10.4, 10.8, 11.4, 11.8, 12.4, 12.8
Demonstrate the process for planting seeds.	English: 9.2, 9.5, 10.4, 11.4, 12.4
Use techniques, equipment, and supplies for greenhouse plant production.	English: 9.5, 9.6, 9.7, 10.4, 10.7, 10.8, 11.4, 11.7, 12.4, 12.7
Describe the differences in outdoor vs. greenhouse plant production.	English: 9.5, 10.4, 11.4, 12.4

Task	SOL Correlations
Investigating the Landscaping Industry	
Describe the differences in lawn grasses.	English: 9.5, 10.4, 11.4, 12.4
Select turf seed or sod based on site characteristics.	English: 9.5, 10.4, 11.4, 12.4
Seed lawns.	
Transplant turf.	
Describe safety requirements specific to lawn/turf care.	English: 9.5, 10.4, 11.4, 12.4 History and Social Science: VUS.8, WHII.8
Mow the lawn.	History and Social Science: VUS.8, WHII.8
Water the lawn.	
Plan a garden.	English: 9.5, 10.4, 11.4, 12.4 Mathematics: G.9, G.13
Design container gardens.	English: 9.5, 10.4, 11.4, 12.4
Plant a garden.	
Describe the value of a home garden.	English: 9.5, 10.4, 11.4, 12.4
Identify trees and shrubs.	Science: BIO.8
Plant trees and shrubs.	English: 9.5, 10.4, 11.4, 12.4
Prune and shape trees and shrubs.	English: 9.5, 10.4, 11.4, 12.4
Investigating the Floriculture Industry	
Identify cut flowers and foliage.	English: 9.5, 10.4, 11.4, 12.4
Process flowers.	English: 9.5, 9.6, 10.4, 10.8, 11.4, 11.7, 11.8, 12.4, 12.7, 12.8
Design or replicate floral arrangements.	
Prepare plants for customers.	English: 9.6, 9.7, 10.7, 10.8, 11.7, 11.8, 12.7

Task	SOL Correlations
Design balloon bouquets.	English: 9.5, 9.6, 9.7, 10.4, 10.7, 10.8, 11.4, 11.7, 11.8, 12.4, 12.7
Use floral supplies and accessories.	English: 9.5, 10.4, 11.4, 12.4
Investigating Business Operations	
Create a sales ticket or invoice.	English: 9.5, 10.4, 11.4, 12.4 Mathematics: A.1, A.4
Interpret labels and signage.	English: 9.5, 10.4, 11.4, 12.4
Assist customers.	English: 9.5, 9.6, 9.7, 10.4, 10.7, 10.8, 11.4, 11.7, 11.8, 12.4, 12.7
Unload products.	
Store products.	
Weigh products.	
Mark prices on products.	
Inventory products.	
Market products.	English: 9.2, 9.5, 10.4, 11.4, 12.4
Investigating Agricultural Tools and Machinery	
Use tools, equipment, and materials.	English: 9.5, 10.4, 11.4, 12.4 History and Social Science: WHI.2, WHI.3
Maintain tools.	History and Social Science: WHI.2, WHI.3
Describe the types of power sources and lubricants associated with tools and equipment.	English: 9.5, 10.4, 11.4, 12.4
Lubricate a tractor or lawn mower.	
Investigating Woodworking	

Task	SOL Correlations
Follow a woodworking project plan.	English: 9.5, 10.4, 11.4, 12.4 Mathematics: G.3, G.5, G.8, G.14
Estimate materials for a project.	Mathematics: A.1, A.4
Identify tools, equipment, and materials.	
Measure lumber.	
Make glue joints.	
Use wood fasteners.	
Construct a woodworking project.	English: 9.5, 10.4, 11.4, 12.4
Apply preservatives to wood surfaces.	English: 9.5, 10.4, 11.4, 12.4
Exploring the Small Animal Care Industry	
Identify common species found in the small animal care industry.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Identify the role of companion animals.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Implement safety in small animal care.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Describe the responsibilities of pet ownership.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Explain the difference between animal rights and animal welfare.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8

Task	SOL Correlations
Identify species of birds.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Identify breeds of dogs.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Identify breeds of cats.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Identify reptiles, amphibians, and other exotic species.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Identify various categories of fish suitable for home aquariums.	English: 9.5, 10.4, 11.4, 12.4 Science: BIO.8
Investigating General Animal Care	
Identify safety procedures and protocols specific to animal husbandry.	English: 9.5, 10.4, 11.4, 12.4 History and Social Science: VUS.8, WHII.8
Select tools and equipment necessary for animal care.	English: 9.5, 10.4, 11.4, 12.4
Measure feed.	English: 9.5, 10.4, 11.4, 12.4
Describe animal nutritional requirements.	English: 9.5, 10.4, 11.4, 12.4 Mathematics: A.1, A.4
Keep feed records.	English: 9.5, 9.6, 9.7, 10.4, 10.7, 10.8, 11.4, 11.7, 11.8, 12.4, 12.7
Sanitize animal living areas.	

Task	SOL Correlations
Identify common bedding materials.	
Identify signs of animal health and illness.	English: 9.5, 10.4, 11.4, 12.4
Explore treatments for pests and diseases.	English: 9.5, 10.4, 11.4, 12.4
Identify exercise requirements for specific animals.	English: 9.5, 10.4, 11.4, 12.4
Groom animals.	English: 9.5, 10.4, 11.4, 12.4
Demonstrate etiquette when handling animals.	English: 9.5, 10.4, 11.4, 12.4
Investigating Ecology and Environmental Management	
Describe environmental conservation techniques.	English: 9.3, 9.5, 10.4, 11.4, 12.4 Science: BIO.8, ES.6
Identify types of erosion.	English: 9.3, 10.4, 11.4, 12.4 Science: ES.7
Identify sources of water, air, and soil pollution.	English: 9.3, 9.5, 9.8, 10.4, 10.8, 11.4, 11.8, 12.4, 12.8 Science: ES.6, ES.8
Investigating Forestry	
Describe the value of forests.	English: 9.3, 9.5, 9.8, 10.4, 10.8, 11.4, 11.8, 12.4, 12.8
Identify pests and diseases that damage forests.	English: 9.5, 10.4, 11.4, 12.4
Investigating Parks and Natural Resource Management	
Maintain a park or campground area.	
Maintain trails.	