

Standards Correlations

Introduction to Natural Resources and Ecology Systems (8040)

Task	SOL Correlations	AFNR
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	

Task	SOL Correlations	AFNR
	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* 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	

Task	SOL Correlations	AFNR
	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	
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	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	

Task	SOL Correlations	AFNR
skills.	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	

Task	SOL Correlations	AFNR
	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 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	

Task	SOL Correlations	AFNR
	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	

Task	SOL Correlations	AFNR
	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	AFNR
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	

Task	SOL Correlations	AFNR
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	
Understanding Natural Resource Management		
Define terms and key concepts related to natural resources, ecology, and environmental sciences.	English: 9.3, 9.5, 10.3, 10.5 Science: BIO.7, BIO.8, ES.11, ES.12, ES.6, ES.4,	
Identify the different types of natural resources.	English: 9.5, 10.5	
Research historical figures who played a prominent role in shaping how natural resources are viewed and used today.		NRS.02.03
Explain principles and processes of ecological succession in different vegetation communities.	English: 9.5, 10.5 Science: BIO.8	
Explain the concept of tragedy of the commons.	English: 9.3, 9.5, 10.3, 10.5	

Task	SOL Correlations	AFNR
	History and Social Sciences: WG 16, WHII 14, VUS 14 Science: BIO.8	
Describe the principles, threats to, and benefits of biodiversity.	English: 9.3, 9.5, 10.3, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14 Science: BIO.8	
Analyze how the level of biodiversity in an ecosystem influences the availability of natural resources.	English: 9.5, 10.5 Science: BIO.8	
Analyze programs of supporting organizations and partners that play a role in natural resource management.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14, Govt 7, 8, 9	
Explain common ecological cycles as they relate to the environment.	Science: BIO.8	
Explain the safety procedures and programs associated with the outdoors.	English: 9.5, 10.5	
Protecting the Environment		
Describe the composition of the atmosphere.	English: 9.5, 10.5 Science: ES.11	

Task	SOL Correlations	AFNR
Identify ecological concepts and principles related to atmospheric natural resource systems.		NRS.01.03
Identify air pollutants, their sources, and their effects on the environment.	English: 9.5, 10.5 Science: ES.11,ES.12	
Describe current methods used to reduce air pollutants and improve air quality.	History and Social Sciences: WG 16, WHII 14, VUS 14	
Describe the soil formation process and components of soil.	English: 9.5, 10.5 Science: ES.8	
Evaluate soil texture and soil properties.	English: 9.5, 10.5 Science: ES.8	
Demonstrate procedures for collecting soil samples and conducting soil tests.	English: 9.5, 10.5	
Explain techniques associated with soil management.	English: 9.5, 10.5	NRS.01.05
Examine best management practices for improving soil health.	English: 9.5, 10.5	NRS.01.05
Describe erosion, its effects on the environment, and prevention methods.	English: 9.5, 10.5 ES.7	NRS.01.05

Task	SOL Correlations	AFNR
Test water percolation.	English: 9.3, 9.5, 10.3, 10.5	
Demonstrate how to use a soil survey.	English: 9.5, 9.8, 10.5, 10.8	
Describe the characteristics of water and the processes of the hydrologic cycle.	English: 9.5, 10.5 Science: ES.8	
Explain the ecological concepts and principles of aquatic natural resources.	English: 9.3, 9.5, 10.3, 10.5 Science: ES.8,	NRS.01.04
Delineate a watershed.	English: 9.5, 10.5 Science: ES.8	
Explain the importance of wetlands to an ecosystem.	English: 9.3, 9.5, 10.3, 10.5 Science: ES.8, BIO.8	
Explain the function, advantages, and disadvantages of flood-control structures and their impact on an ecosystem.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14	NRS.01.04
Explain the various methods of water treatment to meet national drinking water standards.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14, Govt 7, 8, 9	
Analyze water quality indicators of a given body of water or aquatic habitat.	English: 9.5, 10.5	

Task	SOL Correlations	AFNR
Explain how total maximum daily load (TMDL) is calculated and its effects on watersheds.	English: 9.3, 9.5, 10.3, 10.5	
Examine methods of residential and municipal wastewater treatment systems.	English: 9.5, 10.5	
Analyze an agricultural industry's effect on its surrounding ecosystems.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14 Science: BIO.8. ES. 6	
Managing Forest Resources		
Compare the major types of forests in Virginia, the United States, and the world.	English: 9.5, 10.5 Science: BIO.8	
Analyze basic tree structure and growth.	English: 9.5, 10.5 Science: BIO.4	
Identify common trees native to Virginia.	English: 9.5, 10.5 Science: BIO.4, BIO.8	
Examine the major threats to forests, including biotic, abiotic, and human-induced threats and their effect on the forest.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14	

Task	SOL Correlations	AFNR
Describe forest products, including those made from wood and other products from trees.	English: 9.5, 10.5	
Describe non-timber forest products (NTFPs).	English: 9.5, 10.5	
Demonstrate various methods of measuring standing timber.	English: 9.5, 10.5	
Determine the value and volume of a given tract of land.	English: 9.5, 10.5	
Analyze various silvicultural practices to include techniques associated with sustainable forestry (e.g., timber stand improvement, diversity improvement, reforestation).	English: 9.5, 10.5	NRS.01.05
Explain safety practices used in the forest industry.	English: 9.5, 10.5	
Identify fire management strategies used in natural resource systems.	English: 9.5, 10.5	NRS.01.05
Managing Wildlife Resources		
Examine classification levels within the science of taxonomy as a way to classify wildlife organisms.	English: 9.5, 10.5 Science: BIO.6	
Analyze the status of wildlife populations.	English: 9.5, 10.5 Science: BIO.8	

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Identify types of native wildlife species and their habitat requirements.	English: 9.3, 9.5, 10.3, 10.5 Science: BIO.8	
Differentiate between population ecology, population density, and population dispersion and the importance of these concepts to natural resource systems.	English: 9.5, 10.5 Mathematics: AFDA.8	NRS.01.06
Describe the steps in establishing and managing wildlife habitats.	English: 9.5, 10.5	NRS.01.06
Managing Aquatic Resources		
Describe fisheries in Virginia (e.g., commercial and sport fishing, farm-raised fish, hatcheries).	English: 9.5, 9.8, 10.5, 10.8 Science: BIO.8	
Describe aquatic habitats.	English: 9.5, 10.5 History and Social Sciences: Govt 7, 8, 9 Science: BIO.8	
Describe common fish and aquatic species in a given area.	English: 9.5, 10.5	
Describe aquatic inventory/sampling methodologies.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14, Govt 7, 8, 9	
Exploring Energy Resources and Consumption		

Task	SOL Correlations	AFNR
Analyze various energy sources.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14 Science: ES.6	
Contrast various forms of renewable and non-renewable energy sources.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14 Science: ES.6	
Explain the global economic impact of energy use and depletion.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14 Science: ES.6	
Examining Land Use		
Explain the effect of major land development on the environment and ecosystems.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, US 14 Science: ES.6	
Explain zoning classifications and the effects of zoning.	English: 9.5, 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14, Govt 7, 8, 9	

Task	SOL Correlations	AFNR
Design a community to minimize adverse effects on the environment.	English: 9.1, 9.5, 9.7, 10.1, 10.5, 10.8 History and Social Sciences: WG 16, WHII 14, VUS 14	
Interpret land-use maps.	English: 9.5, 10.5	
Analyze a comprehensive plan for a community.	English: 9.5 10.5 History and Social Sciences: WG 16, WHII 14, VUS 14	
Exploring Government Policies, Agencies, and Regulations		
Describe current environmental policies/regulations.	English: 9.5, 9.8, 10.5, 10.8 History and Social Sciences: WG 16, WHII 14, VUS 14, Govt 7, 8, 9	
Identify local, state, and federal conservation, natural resource, and environmental regulatory agencies and programs.	English: 9.5, 9.8, 10.5, 10.8 History and Social Sciences: WG 16, WHII 14, VUS 14, Govt 7, 8, 9	
Describe water-use planning and water rights policies.	English: 9.3, 9.5, 10.3, 10.5 History and Social Sciences: Govt 7, 8, 9	
Developing Mechanical Skills Related to the Natural Resources Systems Pathway		
Explain the need for safety in Natural Resources Systems Pathway.	Science: CH.1	

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Demonstrate safe use of tools, materials, and equipment for use in natural resources.		
Utilize tools in managing natural resources.		
Identify marked safety areas.		
Identify the location and use of eyewash stations.	Science: CH.1	
Identify the location of the posted evacuation routes.		
Demonstrate knowledge of SDS.	Science: CH.1	
Demonstrate the use of protective clothing and equipment.		
Demonstrate standard measurement techniques used in natural resource systems.	Science: CH.1	
Demonstrate cartographic skills, tools, and technologies to aid in developing, implementing, and evaluating natural resource management plans.		
Demonstrate the use of hand tools, portable power tools, and equipment.		
Demonstrate the use of chemicals.		

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Demonstrate metalworking operations as they relate to the Natural Resources Systems pathway.		
Demonstrate woodworking operations as they relate to the Natural Resources Systems pathway.		
Demonstrate electrical operations as they relate to the Natural Resources Systems pathway.		
Demonstrate small-engine operations as they relate to the Natural Resources Systems pathway.		
Demonstrate plumbing operations as they relate to the Natural Resources Systems pathway.		