

# Standards Correlations

## Outdoor Recreation, Parks, and Tourism Systems Management (8043)

Task	SOL Correlations
<b>Demonstrating Personal Qualities and Abilities</b>	
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
	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
<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

Task	SOL Correlations
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

Task	SOL Correlations
	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* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1

Task	SOL Correlations
Demonstrate an understanding of information security.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: COM.10</p>
Maintain working knowledge of current information-technology (IT) systems.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17</p> <p>Science: BIO.1, CH.1, ES.1, PH.1</p>
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	<p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>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</p> <p>Science: CH.1, ES.1, LS.1, PH.1, PS.1</p>
Apply mathematical skills to job-specific tasks.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p>

Task	SOL Correlations
	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 industry/organization.	
Examine aspects of financial responsibility within an industry/organization.	
Examine technical and production skills	

<b>Task</b>	<b>SOL Correlations</b>
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 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>	

<b>Task</b>	<b>SOL Correlations</b>
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
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, WHIL.8, WHIL.10, WHIL.11
Apply for an FFA degree and/or an agricultural proficiency award.	English: 9.5, 10.5
<b>Developing Safety Skills and Awareness</b>	
Complete a nationally recognized certification for first aid.	English: 11.5, 12.5
Complete a nationally recognized cardiopulmonary resuscitation (CPR) and automatic external defibrillator (AED) certification.	English: 11.5, 12.5
Complete a nationally recognized wilderness first aid training.	English: 11.5, 12.5
Explain the dangers and hazards associated with the outdoors.	English: 11.5, 12.5
Demonstrate use of tools and equipment.	English: 11.5, 11.8, 12.5, 12.8  History and Social Science: GOVT.7, GOVT.8, GOVT.9  Science: CH.1
<b>Promoting Leisure and Recreation Enterprises</b>	
Evaluate the effects of personal values regarding leisure and recreational experiences on attitudes, behaviors, and the use of resources.	English: 11.3, 11.5, 12.3, 12.5
Describe the benefits of participating in outdoor recreational activities related to health, well-being, and quality of life.	English: 11.5, 12.5



Task	SOL Correlations
Research the evolution and significance of recreation and leisure activities.	English: 11.5, 11.8, 12.5, 12.8  History and Social Science: GOVT.12, VUS.14, WG.17, WHII.14
Conduct an agriscience research project related to outdoor recreation, parks, and tourism management.	English: 11.5, 11.8, 12.5, 12.8  Mathematics: AFDA.8, AII.9, PS.5, PS.6, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.10*
Explain the benefits of ecotourism to states and localities.	English: 11.5, 12.5  History and Social Science: GOVT.9, GOVT.12, GOVT.14
Identify resources that promote and enhance recreational and leisure experiences.	English: 11.5, 12.5
Describe the procedures for promoting, organizing, and conducting a hunting and/or fishing expedition.	English: 11.5, 12.5
Explain the benefits of therapeutic recreation.	English: 11.5, 12.5
Develop a plan to promote an outdoor-based therapeutic recreation program.	English: 11.1, 12.1
Develop a plan for providing a nature-related experience to consumers.	English: 11.1, 12.1
Evaluate marketing strategies, tools, and techniques used for promoting outdoor experiences.	English: 11.5, 12.5  Mathematics: AFDA.8, PS.5, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10*
Create a marketing plan that can be used to promote an ecotourism business or outdoor recreation event.	English: 11.1, 11.5, 12.1, 12.5
Describe the customer service skills required for careers in the parks and recreation industry.	English: 11.5, 12.5

Task	SOL Correlations
<b>Managing Recreational Areas and Enterprises</b>	
Identify the major elements influencing consumer use of federal, state, and local parks and recreational areas.	English: 11.5, 12.5
Identify the location and related characteristics of state parks and national forests.	English: 11.5, 12.5
Describe the safety procedures for outdoor recreation and adventure tourism.	English: 11.5, 12.5
Develop procedures for maintaining security and preventing accidents.	English: 11.1, 11.5, 12.1, 12.5
Inspect recreational areas for safety hazards.	English: 11.5, 12.5
Identify procedures for reporting violators in recreational areas and parks.	English: 11.5, 12.5
Explain the procedure for preparing a case for prosecution against violators.	English: 11.5, 12.5
Develop a landscape design to manage traffic flow, increase security, and establish boundaries.	English: 11.1, 11.5, 12.1, 12.5
Explain the importance of user-friendly wayfinding systems to assist visitors in parks, historic sites, and recreational areas.	English: 11.5, 12.5
Develop a plan for cleaning and sanitizing the campground and recreational area buildings and facilities.	English: 11.1, 11.5, 12.1, 12.5
List common supplies needed for recreation facilities.	English: 11.6, 11.7, 12.6, 12.7
Describe methods for controlling insects in outdoor recreational areas.	English: 11.5, 12.5 Science: BIO.8
Describe methods for minimizing negative wildlife encounters in outdoor recreational areas.	English: 11.5, 12.5
Develop policies, procedures, regulations, and rules for campground and recreational area use.	English: 11.1, 11.5, 12.1, 12.5

<b>Task</b>	<b>SOL Correlations</b>
Develop a plan for the location, construction, and maintenance of scenic trails with minimal environmental impact.	English: 11.1, 11.5, 12.1, 12.5 Science: ES.1
Compile an inventory of a site's natural and historical resources.	English: 11.6, 11.7, 12.6, 12.7 History and Social Science: GOVT.7, GOVT.8 Science: BIO.8, ES.8
Explain the roles and duties of outdoor recreation supervisors, employees, and volunteers.	English: 11.5, 12.5 History and Social Science: GOVT.7, GOVT.8
<b>Planning Recreational Activities</b>	
Design a recreational enterprise.	English: 11.1, 12.1
Develop a plan for gathering data on the use of a recreational area.	English: 11.1, 12.1 History and Social Science: GOVT.7, GOVT.8, GOVT.9, GOVT.12 Mathematics: AFDA.8, PS.5, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10*
Develop plans for various outdoor recreational activities.	English: 11.1, 12.1 Science: ES.1
Develop an interpretive or environmental education program.	English: 11.1, 12.1
Design a play area for children.	English: 11.1, 12.1
Describe the process for securing a portable restroom for an event/program.	English: 11.5, 12.5
Develop a rainout plan.	English: 11.3, 11.5, 12.3, 12.5

<b>Task</b>	<b>SOL Correlations</b>
Create rosters, schedules, and playoff brackets.	English: 11.1, 11.5, 12.1, 12.5 Mathematics: DM.13, DM.3*
Identify the processes for recruiting, hiring, and training employees.	English: 11.5, 12.5
Create a schedule for staff members for the spring, summer, or fall season.	English: 11.1, 11.5, 12.1, 12.5
<b>Managing Wilderness Areas</b>	
Maintain roadless character and values of wilderness areas to comply with land-use restrictions of the Roadless Area Conservation Rule.	English: 11.5, 12.5
Identify the location of the Appalachian Trail.	English: 11.5, 12.5 History and Social Science: GOVT.7, GOVT.8
Navigate from a starting point to a destination point.	English: 11.1, 11.5, 12.1, 12.5 Science: ES.1
Explain the economic significance of the Appalachian Trail (AT) to Virginia's outdoor tourism industry.	English: 11.5, 12.5 History and Social Science: GOVT.8, GOVT.9, GOVT.12
Evaluate the environmental and economic effects of a recreational enterprise on the wilderness area.	English: 11.5, 12.5 Science: BIO.8
Describe ethics issues faced in outdoor recreation management.	English: 11.5, 12.5
<b>Examining State and Federal Policies Concerning Outdoor Recreation, Parks, and Tourism Management</b>	
Research the history of forest and park policy in the United States.	English: 11.5, 11.8, 12.5, 12.8
Describe the scope of government agencies involved in forest, recreation, wildlife, and parks management.	English: 11.5, 12.5

Task	SOL Correlations
	History and Social Science: GOVT.7, GOVT.8, GOVT.9
<b>Planning, Constructing, and Maintaining Facilities and Equipment</b>	
Design a recreational facility using Leadership in Energy and Environmental Design (LEED) principles.	English: 11.1, 12.1
Perform basic concrete and masonry maintenance.	English: 11.5, 12.5
Demonstrate basic carpentry skills.	
Construct a fence.	
Demonstrate basic electrical skills.	
Demonstrate basic plumbing skills.	English: 11.5, 12.5
Describe local ordinances related to swimming pools.	English: 11.5, 11.8, 12.5, 12.8
	History and Social Science: GOVT.8, GOVT.9
Describe the process and equipment used to maintain a swimming pool.	English: 11.5, 11.6, 11.7, 12.5, 12.6, 12.7
Paint various surfaces.	
Describe the process of repairing roads and driveways.	English: 11.5, 12.5
Describe basic maintenance requirements for vehicles and equipment essential to the outdoor recreation, parks, and tourism industry.	English: 11.5, 12.5