

Standards Correlations

Equine Science, Advanced (8094)

| Task | SOL Correlations |
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| Demonstrating Personal Qualities and Abilities | |
| 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> |

| Task | SOL Correlations |
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| | 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 |

| Task | SOL Correlations |
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| | 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 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, |

| Task | SOL Correlations |
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| | 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. | <p>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</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: 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*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1</p> |
| 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> |

| Task | SOL Correlations |
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| | 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 |
| 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. | |

| Task | SOL Correlations |
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| 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 | |
| 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. | |

| Task | SOL Correlations |
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| 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 |
| 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 |
| Handling and Grooming a Horse | |
| Demonstrate equine management techniques that ensure animal and handler welfare. | English: 10.1, 11.1, 12.1 |
| Demonstrate handling a horse. | English: 10.6, 11.6, 12.6 |
| Demonstrate haltering a horse. | |
| Demonstrate tying a horse for grooming. | |
| Demonstrate grooming techniques. | |
| Teach a horse to lunge. | |
| Use voice commands. | |
| Teach round pen techniques. | |
| Performing Basic Care Procedures | |
| Define terms associated with basic first aid. | English: 10.3, 11.3, 12.3 |
| Take vital signs. | English: 10.5, 11.5, 12.5 |

| Task | SOL Correlations |
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| List items needed in a first-aid kit. | English: 10.6, 11.6, 12.6 |
| Differentiate between critical and non-critical injuries and illnesses. | English: 10.5, 11.5, 12.5 |
| Explain basic care procedures for a horse during illness or injury. | English: 10.5, 11.5, 12.5 |
| Explain how to administer injections. | English: 10.5, 11.5, 12.5 |
| Define various classes of drugs used for horse health and disease prevention. | English: 10.3, 11.3, 12.3 |
| Research common equine diseases. | English: 10.8, 11.8, 12.8 |
| Demonstrate techniques for common care procedures. | |
| Performing Foot Care | |
| Demonstrate how to care for the hoof. | English: 10.5, 11.5, 12.5 |
| Explain how to detect lameness. | English: 10.5, 11.5, 12.5 |
| List guidelines for effective shoeing. | English: 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 |
| Managing Horse Nutrition | |
| Explain how the digestive system supplies the horse's nutritional needs. | English: 10.5, 11.5, 12.5 Science: BIO.4 |
| Explain critical factors to consider when determining a horse's nutritional requirements. | English: 10.5, 11.5, 12.5 |
| Describe factors to consider when selecting feeds. | English: 10.5, 11.5, 12.5 |
| Evaluate a commercial horse feed. | English: 10.5, 10.8, 11.5, 11.8, 12.5, 12.8 |
| Summarize the potential effects, positive and negative, of compliance or noncompliance with feeding directions on a feed label. | English: 10.5, 11.5, 12.5 |

| Task | SOL Correlations |
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| Demonstrate how to balance a feed ration. | English: 10.5, 11.5, 12.5 Mathematics: A.1, A.4 |
| Select animal feeds based on nutritional requirements, using rations for maximum nutrition and optimal economic production. | English: 10.5, 11.5, 12.5 |
| Understanding Equine Reproduction | |
| Review the terms associated with equine reproduction. | English: 10.5, 11.5, 12.5 Science: BIO.5 |
| Review the female reproductive system. | English: 10.5, 11.5, 12.5 Science: BIO.4 |
| Review the male reproductive system. | English: 10.5, 11.5, 12.5 Science: BIO.4 |
| Describe the influences of hormone secretions in the estrus cycle. | |
| List factors affecting reproductive efficiency or infertility. | English: 10.6, 11.6, 12.6 |
| Explain management practices for broodmares. | English: 10.5, 11.5, 12.5 |
| Explain methods of breeding. | English: 10.5, 11.5, 12.5 |
| Identify methods for detecting heat and pregnancy in a mare. | English: 10.5, 11.5, 12.5 |
| Determine the probability of a given trait in the offspring of select breeding animals. | English: 10.5, 11.5, 12.5 Mathematics: AFDA.6, PS.11*, PS.12* Science: BIO.5 |
| Caring for the Mare and Foal | |
| Identify factors relating to the care of a mare during gestation. | English: 10.5, 11.5, 12.5 |

| Task | SOL Correlations |
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| Explain causes and preventions of equine abortion. | English: 10.5, 11.5, 12.5 |
| Explain the foaling process. | English: 10.5, 11.5, 12.5 |
| Explain management practices when caring for a mare and foal from birth until weaning. | English: 10.5, 11.5, 12.5 |
| Describe how to care for a colt or stallion after being gelded. | English: 10.5, 11.5, 12.5 |
| Judging the Horse | |
| Evaluate horse conformation. | English: 10.5, 11.5, 12.5 |
| Evaluate the balance and quality of a horse. | English: 10.5, 11.5, 12.5 |
| Evaluate the structural correctness of a horse. | English: 10.5, 11.5, 12.5 |
| Evaluate a horse, according to breed and sex characteristics. | English: 10.5, 11.5, 12.5 Science: BIO.5 |
| Evaluate horse muscling. | English: 10.5, 11.5, 12.5 |
| Explain types and classes of horses and how to evaluate a horse in each. | English: 10.3, 10.5, 11.3, 11.5, 12.3, 12.5 |
| Transporting the Horse | |
| Review procedures for transporting horses. | English: 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 |
| Explain factors in transporting a horse. | English: 10.5, 11.5, 12.5 |
| Demonstrate skills necessary for pasture management. | |
| Prepare a facility plan. | |
| Demonstrate skills necessary for stable management. | English: 10.6, 11.6, 12.6 |
| Evaluate a scenario and present recommendations. | English: 10.5, 11.5, 12.5 |