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|  | <h2>Great Oaks Equine Science and Management Essential Skills Profile</h2> |
| | <p>This profile provides an outline of the skills required for successful completion of this career program. Additional information is located on the Great Oaks website at http://hs.greatoaks.com/essential-skills-high-school-programs/ and selecting the corresponding career program.</p> |

Recommended Work Keys Scores for Equine Science and Management

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| Applied Mathematics-3 | Graphic Literacy-4 |
| Workplace Documents-4 | |

*Practice tests and more information at www.act.org/workkeys

| Essential Skills Needed to Successfully Complete the Program | | | |
|--|--------------------------|--------------------|-----------------------|
| Rating Key: | Low = Slightly Essential | Medium = Essential | High = Very Essential |

| Key Vocational Factors | | Rating |
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| Visual Acuity | The ability to detect differences/details visually | Medium |
| Depth Perception | The ability to detect the physical distance/depth of objects in space and time | Medium |
| Oral Communication | The ability to express/explain ideas. | High |
| Written Communication | The ability to communicate in a written format and record information accurately | Medium |
| Physical Mobility/Strength | Bending, lifting more than 20 pounds, standing, lifting cages and equipment | High |
| Eye-hand Coordination | The ability to use tools | Medium |
| Auditory Acuity | The ability to detect differences in pitch and sound | Low |

| Worker Trait Skills | Rating |
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| Ability to get along with others | Medium |
| Ability to work independently, without close supervision | High |
| Ability to work toward work including tasks of minimal interest | Medium |
| Ability to work accurately, recheck and correct work, to an industry standard | Medium |
| Dependability (Attendance and Punctuality) | High |
| Ability to follow and retain: | |
| Multi step oral instructions | High |
| Written instructions/technical manuals-multi step | Medium |
| Simple to complex diagram instructions | Low |
| Visual models or demonstrated instructions | Medium |
| Ability to use tools of trade (reins, pet grooming products, leashes or leads, harnesses or its accessories, domestic pet training kits, etc.) | High |
| Ability to use numerical data (count, measure, compute, etc.) in applied setting | Low |

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| Ability to discriminate between objects of similar: | |
| Size | Medium |
| Shape | Medium |
| Color | Medium |
| Spatial Relationship | Medium |
| Ability to organize work process/follow defined procedures | Medium |
| Ability to follow sequence or to determine sequence of actions to a successful conclusion | High |
| Dexterity (fine finger) | Medium |
| Instructing: Teaching others how to do something. | High |
| Learning Strategies: Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things. | High |
| Speaking: Talking to others to convey information effectively. | High |

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| Reading Skills *See Recommended Work Key Scores | |
| Math Skills *See Recommended Work Key Scores | |
| Counting-Recording-Comparing-Calculating | Whole numbers |
| Calculating Fractions, ratios | |

Additional Abilities Required

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| Problem Sensitivity | The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem. |
| Oral Expression | The ability to communicate information and ideas in speaking so others will understand. |
| Oral Comprehension | The ability to listen to and understand information and ideas presented through spoken words and sentences. |

Knowledge Required in Equine Science and Management Field

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| Customer and Personal Service | Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction. |
| Education and Training | Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects. |
| Psychology | Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders. |

Additional Considerations

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| Must be dependable | Must like working with large animals |
| Must like getting dirty and wearing gloves | Does not mind animal and chemical smells |
| Must not be allergic to pet, animal, and hay | Does not mind handling unfamiliar animals |

Equine Science and Management Work Activities

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| Train horses or other equines for riding, harness, show, racing, or other work, using knowledge of breed characteristics, training methods, performance standards, and the peculiarities of each animal. | Conduct training programs to develop or maintain desired animal behaviors for competition, entertainment, obedience, security, riding, or related purposes. |
| Talk to or interact with animals to familiarize them to human voices or contact. | Use oral, spur, rein, or hand commands to condition horses to carry riders or to pull horse-drawn equipment. |
| Cue or signal animals during performances. | Train dogs in human assistance or property protection duties. |
| Retrain horses to break bad habits, such as kicking, bolting, or resisting bridling or grooming. | Feed or exercise animals or provide other general care, such as cleaning or maintaining holding or performance areas. |
| Observe animals' physical conditions to detect illness or unhealthy conditions requiring medical care. | Evaluate animals to determine their temperaments, abilities, or aptitude for training. |
| Train dogs to work as guides for the visually impaired. | Place tack or harnesses on horses to accustom horses to the feel of equipment. |
| Administer prescribed medications to animals. | Organize or conduct animal shows. |
| Keep records documenting animal health, diet, or behavior. | Evaluate animals for trainability and ability to perform. |
| Advise animal owners regarding the purchase of specific animals. | Instruct jockeys in handling specific horses during races. |

Technology

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| Word processing software | Project management software |
| Presentation software | Data base user interface and query software |
| Calendar and scheduling software | |

Available Certifications

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| Hazardous Occupations Safety Training in Agriculture (HOSTA) | Industrial Forklift Certification (1 Point) |
| CPR/First Aid Certification (1 Point) | (OSHA-10 for Agriculture (1 Point) |

Possible College Credits

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| College Credit Plus in English, Math, Social Studies, or Science | Must be preapproved. Must pass a college course at an Ohio college or College Credit Plus class at Great Oaks. |
| Career Technical Credit Transfer | The Ohio Transfer to Degree Guarantee helps career and technical students transfer credits earned in high school to community college or four-year degree programs. The credit can be used at any Ohio public college or university: <ul style="list-style-type: none"> • If you successfully completed your career-technical program and passed certain required assessments. • If you attend a similar program at a public Ohio college or university. |
| Articulated Credit | Great Oaks has agreements with certain colleges; if you attend one of those colleges you can get credit toward a specific degree. Currently, Great Oaks has agreements in your program with: <ul style="list-style-type: none"> • Southern State Community College (Agriculture Production, up to 4 credit hours possible) • Clark State Community College (Agriculture Business Technologies, up to 6 credit hours possible) • Ohio University—Southern Campus (Equine Studies, up to 10 credit hours possible) • Wilmington College (Agriculture, up to 2 credit hours possible) |

*Additional college or post-secondary education may be required in this field

Possible Career Pathways

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| Assistant trainer | Riding instructor |
| Trainer | Farm manager |