

Gee Whiz in Agriculture Content Standards

“Why Do Horses Run So Fast?”

Project Area Skill (PAS) refers to the subject matter based skill which youth demonstrate in relation to the correlating content standard.

Objectives:

Career Readiness-

1. **Students will identify their career interests and aptitudes to develop an educational plan which supports personal career goals.**

Benchmarks: K-4: 1 A, B, C; 5-8: 1 A, B, C, D

Project Area Skill: The youth learn about the equine industry and the impact it has on society. Many careers are horse related and the youth gain the knowledge to possibly pursue a career in equine science.

2. **Students will utilize and manage resources effectively to produce quality services and products.**

Benchmarks: K-4: 2 A, B, C; 5-8: 2 A, B

Project Area Skill: The youth use time in an efficient manner to complete assigned activities. They learn the importance of utilizing resources effectively in daily activities.

3. **Students will demonstrate the technological knowledge and skills required for future careers.**

Benchmarks: K-4: 3 A, B, C, D; 5-8: 3 A, B, C, D

Project Area Skill: The youth use computers to complete assignments and to research topics related to the equine industry. Youth learn to use computer programs to perform different tasks.

4. **Students will develop and demonstrate responsible and ethical workplace behaviors.**

Benchmarks: K-4: 4 A, B, C, D, E; 5-8: 4 A, B, C, D

Project Area Skill: The youth learn how to effectively work with others to meet common goals.

- 5. Students will develop effective leadership, interpersonal, and team skills.**

Benchmarks: K-4: 5 A, B, C, D; 5-8: 5 A, B, C, D

Project Area Skill: The youth develop important social and leadership skills through peer interaction. The youth learn how to assume roles in the group, so that goals may be accomplished more efficiently. Youth learn how to work as a team to accomplish goals.

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Objectives:

Language Arts-

- 1. Reading and listening for comprehension: Students will apply strategies and skills to comprehend information that is read, heard, and viewed.**

Benchmarks: K-4: 1 A, B, C, D; 5-8: 1 A, B, C, D

Project Area Skill: The youth read materials which accompany the project curriculum to gain an understanding of the topic. Youth listen to other youth as they report ideas, knowledge, and opinions of the equine industry.

- 2. Writing and speaking for expression: Students will communicate effectively through speaking and writing.**

Benchmarks: K-4: 2 A, B, C; 5-8: 2 A, B, C

Project Area Skill: The youth learn to describe information that they have learned to other youth. Different writing techniques are used to complete assignments in the student worksheet. Youth can write essays and stories, define terms, and visit libraries to answer equine related questions.

- 3. Literature and media: Students will use literature and media to develop an understanding of people, societies, and the self.**

Benchmarks: K-4: 3 A; 5-8: 3 A

Project Area Skill: The youth are introduced to the topic by viewing a video which accompanies the learning materials.

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Objectives:

Math-

- 1. Number and operations: Students will understand numeric concepts and mathematical operations.**

Benchmarks: K-4: 4 A, B, C; 5-8: 4 A, B, C

Project Area Skill: The youth use basic addition, subtraction, multiplication, and division to complete assigned activities in the student worksheet.

- 2. Measurement: Students will understand measurement systems and applications.**

Benchmarks: K-4: 1 A, B, C, D; 5-8: 1 A, B, C, D

Project Area Skill: The youth use units of measurement to calculate their own height and the height and weight of a horse. The hands method is utilized for measuring horses. The youth are expected to convert weights from pounds to kilograms.

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Objectives:

Science: Strand: Content of Science: Standard II: Life Science-

- 1. Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.**

- A. K-4: Benchmark II: Know that living things have similarities and differences and that living things change over time.
5-8: Benchmark II: Understand how traits are passed from one generation to the next and how species evolve.**

Project Area Skill: The youth understand that humans and horses are similar in terms of athleticism, but they are different in the genetic makeup of their bodies. Youth are engaged in an activity to compare heart rates of both in a controlled experiment.

- B. K-4: Benchmark III: Know the parts of the human body and their functions.**

Project Area Skill: The youth know and understand how the respiratory system of a human works. They can use this knowledge to correlate ideas to that of the horse’s respiratory system.