

Gee Whiz in Agriculture Content Standards

“Water Heroes!”

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 to understand the history of water usage and the importance of water to society. Youth learn important steps that encourage water conservation. Moreover, the youth learn about the process of water flow, and may be able to pursue a career in the water industry.

- 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 are able to complete their assignments in a timely fashion. They learn to manage time and make proper decisions regarding the completion of assignments in the student worksheets. They understand the importance of working efficiently with others to achieve common goals within the assignment.

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

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

Project Area Skill: The youth utilize knowledge of computers to complete assignments in the topic area. Youth can use certain computer programs to creatively design water usage plans.

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

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

Project Area Skill: The youth learn proper behavior skills by following class rules and interacting with others.

- 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 gain leadership skills and interpersonal skills as they work with others in class and mini-group settings. Youth learn how to assume roles within their groups and classes.

Gee Whiz in Agriculture Content Standards

“Water Heroes!”

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

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 learn about the importance of a safe water supply and how to maintain this level by completing assigned activities in the student worksheet. Youth share opinions and thoughts with their peers.

- 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 properly complete assignments contained in the student worksheet packet. The activities are designed to cover science, math, reading, and history. Youth have the opportunity to complete a written essay about what they have learned and/or giving a presentation about the topic to others in the group.

- 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 learn about water conservation and other techniques involved with using water wisely. A video accompanies the subject material to further aid in learning the topic. Youth are shown the video to provide a more concrete grasp of the topic.

Gee Whiz in Agriculture Content Standards

“Water Heroes!”

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

Objectives:

Math-

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

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

Project Area Skill: The youth learn different uses for fractions and percentages as they complete the assigned activities. Youth use basic arithmetic such as addition, subtraction, multiplication, and division to calculate word problems involving water.

- 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 various units of measurement to calculate formulas involving water capacities, water usage, and to figure precipitation amounts.

Gee Whiz in Agriculture Content Standards

“Water Heroes!”

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

Objectives:

Social Studies: Strand: Geography: Content Standard II:

1. Students understand how physical, natural, and cultural processes influence where people live; the ways in which people live; and how societies interact with one another and their environment.

- A. **K-4: Benchmark II:** Be familiar with aspects of human behavior and man-made and natural environments in order to recognize their impact on the past and present.
5-8: Benchmark II: Understand how human behavior impacts man-made and natural environments, recognizes past and present results, and predicts potential changes.

Project Area Skill: The youth understand how water affects humans and their behavior. Youth recognize the impact that too much or too little water can have upon society. Youth are able to gather information about water sources and determine effects that the water has upon people.

- F. **K-4: Benchmark II:** Describe how natural and man-made changes affect the meaning, use, distribution, and value of resources.
5-8: Benchmark II: Understand the effects of interactions between human and natural systems in terms of changes in meaning, use, distribution, and relative importance of resources.

Project Area Skill: The youth understand how humans play a vital role in conserving or using available water supplies. Youth recognize how changes in the environment affect the water supply and that proper water usage increase future availability.

Gee Whiz in Agriculture Content Standards

“Water Heroes!”

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

Objectives:

Science: Strand I: Scientific Thinking and Practice: Standard I:

- 1. Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.**
 - A. K-4: Benchmark II: Use scientific thinking and knowledge and communicate findings.
5-8: Benchmark II: Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.**

Project Area Skill: The youth learn to properly conduct investigations using the scientific method. Upon collecting data, making observations, and recording results to make predictions, the youth are able to form opinions of the situation.

Science: Strand II: 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 I: Know that living things have diverse forms, structures, functions, and habitats.
5-8: Benchmark I: Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.**

Project Area Skill: The youth understand the relationships which exist between water sources and living things. Youth recognize that water preservation is vital to not only humans, but plants, animals, and other organisms which rely on water to live. Youth know that living things can alter a water environment through usage.