

Fishy Science Content Standards Grades 3-5

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

Objectives:

Career Readiness-

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

Benchmarks: K-4: A,B

Project Area Skill: The youth will complete the fish experiments within a given time specified by the teacher. They will demonstrate responsibility while working with fish and performing various experiments on them to produce a greater understanding of how they survive in their habitat.

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

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

Project Area Skill: For many of the activities, students are to work in groups while examining their fish. They must utilize ethical behavior while working around aquatic animals so as not to harm them during the experiment.

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

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

Project Area Skill: The youth will demonstrate interpersonal skills while working cooperatively in groups to complete activities such as sharing the similarities and differences between their fish and observing fish scales.

Fishy Science Content Standards Grades 3-5

*Project Area Skill (PAS) refers to the subject matter 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: A,C,D; 5-8: A,B,C,D

Project Area Skill: The youth will read through and listen to fun facts about fish. They will then observe the fish or perform related experiments about the fish to comprehend and expand on what they had read. The instructor may also help to provide comprehensive silent reading strategies by asking guiding questions throughout the beginning of the activity.

2. **Writing and Speaking for Expression:** students will communicate effectively through speaking and writing.

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

Project Area Skill: The youth will write about their observations of fish during many activities. They will have to answer questions by reflecting on the data collected from observations. Further understanding of the information may be attained through class discussion and “guided questions” presented in the text.

Fishy Science Content Standards Grades 3-5

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

Objectives:

Math-

- 2. Data Analysis and Probability: Students will understand how to formulate questions, analyze data, and determine probabilities.**

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

Project Area Skill: The youth will perform experiments to answer questions about the information they had just read. They will record and analyze the information to assure they have accurately answered their questions.

Fishy Science Content Standards Grades 3-5

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

Objectives:

Science-

Strand I: Scientific Thinking and Practice

Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting and validating to think critically.

K-4 Benchmarks: II

5-8 Benchmarks: II

Project Area Skill: The youth will use scientific thinking as they go about various experiments to learn about fish. They will gain knowledge, questioning skills, perform experiments and answer comprehensive questions to conclude their findings.

Strand II: Content of Science

Standard II: Life Science: Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.

K-4 Benchmarks: I

K-4 Benchmarks: II

5-8 Benchmarks: I

Project Area Skill: The youth will look at the structure and environment of gold fish. Through a variety of experiments they will look at how a fish can see, smell, taste, feel and hear. They will also learn how fish have adapted to their environments in regards to fresh and salt water.