

Kylee Leingang, Shaylynn Mack, Kat Jackson, McKenna Walsh

Grade: 3

Unit Topic: The Ocean

Course/Discipline: Math, Science, Social Studies, Writing, Reading, and Art

Approximate Time Required: 2 Weeks

Main Purpose of the Unit Study:

Reading:

3. RL.3 Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events.

Writing:

3.W.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

b. Develop the topic with facts, definitions, and details.

Math:

3.MD.2 Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.

3.MD.4 Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters.

Science:

3.4.3 Identify the needs of living things (e.g., food, shelter, soil, space, water).

Art:

4.2.3 Use visual art structures and functions of works of art to communicate ideas.

Social Studies:

3.1.3 Use a variety of resources (e.g. maps, charts, bar graphs, internet, books) to gather information about people, places, and events.

Performance Objectives:

The student will be able to:

- **Reading - describe the feelings of various characters in Rainbow Fish by Marcus Pfister.**
- **Writing - create their own "Who Will Win?" book including facts, definitions and details of the animal they chose.**
- **Math - measure the volume of an aquarium based on the measurements of an aquarium they have designed.**
- **Math - use a ruler to measure the dimensions of an aquarium they have designed.**
- **Science - identify the habitats and living conditions for marine life.**
- **Art - artistically create and design an aquarium including at least 3 types of marine life.**

- **Social Studies** - use a variety of resources to compare and contrast two oceans.

Learning Activities:

- **Reading**
 - Read aloud Rainbow Fish
 - Character graphic organizer
 - Ocean books available for students to read
- **Writing**
 - Research/Select a marine life animal
 - Write 4-5 Sentences about their animal
 - Compare with 3-4 students to see “Who Will Win”
- **Math**
 - Teach length/width/height using a ruler
 - Teach volume based on their understanding of length/width/height
- **Science**
 - Research a marine life animal
 - Use a graphic organizer for habitat and living conditions for marine life animal
- **Art**
 - Show the different techniques used for painting
 - Paint aquarium and marine life animals
- **Social Studies**
 - Create a Venn Diagram
 - Discuss the different oceans

Assessment:

- **Reading - informal formative assessment observe students' understanding during whole group graphic organizer discussion**
- **Writing - students will create a "Who Will Win" book**
- **Math - measure the volume using length width and height of their aquarium**
- **Science - turn in graphic organizer for their chosen marine life animal**
- **Art - turn in their artistically designed aquarium**
- **Social Studies - informal formative assessment observing students' understanding during Venn Diagram discussion**