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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