**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**