Name of Exhibit: Aquariums Freshwater

Description: The freshwater aquariums are warm water tanks featuring tropical freshwater fish, and cold-water tanks featuring mostly local species. We also have local fish species housed in tanks with some of our turtles.

For all ages.

MN SCIENCE Grad Stand/Strand/Sub-strand: Number####:

0L 1.2.1.2, 0L 2.1.1.3, 0L 3.1.1.1

1L 1.1.1.1, 1L 3.1.1.1, 1L 3.2.2.2, 1E 4.1.1.1, 1E 4.2.1.2

2L 4.1.1.1

3L 3.1.1.2, 3L 3.2.1.1, 3L 4.1.1.1, 3L 4.2.1.1

4L 4.1.1.1, 4L 4.2.1.1

7L 2.1.1.1, 7L 3.2.1.1, 7L 4.1.1.2

Grade Level(s):   Kindergarten through 7th Grades

Content Area(s):   Life Science & Earth Science (Bold)

Learning Target(s):
1. I can ask questions from observations about the similarities and differences found in fresh water fish and other living things.
2. I can explain how patterns in the behavior of fresh water fish and their offspring help offspring survive.
3. I can explain, using evidence, how variations in characteristics among fresh water fish (same species) may provide advantages in surviving, finding mates, and reproducing.
4. I can apply my knowledge about specific HSC fresh water fish to explain the strategies a variety of animals use to survive.
5. I can obtain information from resources to determine that fresh water fish have traits inherited from parents and that variations of these traits exist in a group of similar organisms.

Essential Question(s):
1. What differences can you see between fresh water fish and other animals? What similarities can you see between fresh water fish and other animals?
2. What human invention mimics fresh water fish characteristics?
3. What do fresh water fish do to protect themselves from enemies?
4. How do variations in characteristics among fresh water fish (same species) provide advantages?
5. What are strategies fresh water fish use to survive? Why are the strategies successful? Why aren't some strategies successful?
6. What variations are the result of inherited traits from parents of fresh water fish?

Key Vocabulary in Demo: Adaptation, Camouflage, Coldblooded, Fins, Gills, Habitat, Reproduction, Scales, Traits

Prerequisite Terms: Adaptation, Advantage, Behavior, Characteristics, Differences, Function, Lineage, Mimic, Model, Observation, Patterns, Protect, Range, Relationship, Similarities, Strategies, Structure, Traits, Variation