



Name of Demonstration: Animal Raptors

Description of Demonstration: This is an exciting opportunity to get a close-up view of live raptors and learn about the characteristics that make raptors different from other birds. Learn about various raptors found in Minnesota and their habitats. Learn what you can do to help preserve the environment and protect these spectacular creatures. 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, 1L 4.2.1.2, 1E 4.1.1.1
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
5L 4.1.2.1
7L 2.1.1.1, 7L 3.2.1.1, 7L 4.1.1.2, 7L 4.1.1.2
9L 3.2.1.4

Grade Level(s): Kindergarten through 9th Grades

Content Area(s): Life Science and Earth Science

Learning Target(s):

1. I can ask questions from similarities/differences observations between Raptors and other living beings.
2. I can make a convincing argument, that evaluates how in particular habitats, Raptor survival does very well, not so well, or becomes threatened.
3. I can construct an argument about strategies Raptors use to survive.
4. I can explain that Raptors have internal and external structures that function to support survival, growth, behavior, and reproduction.
5. I can explain the effects of resource availability on the population of organisms (Raptors) in an ecosystem.
6. I can explain, based on evidence, how genetic variations of traits in Raptors increases the probability of surviving and reproduction in a specific environment.

Essential Question(s):

1. How are two animals the same? How are two animals different?
2. What are some reasons that some organisms survive better than others in a habitat?
3. How do variations in characteristics among individuals of the same species provide advantages and disadvantages?
4. What are strategies that animals use to survive? Why are the strategies successful? Why aren't they successful? Why do group strategies work?
5. What are internal and external structures that function to support animals in survival, growth, behavior and reproduction?
6. Does resource availability have an effect on the population of the organisms in an ecosystem?
What are the effects of resource availability on the population of the organisms in an ecosystem?
7. What traits in a population are the most beneficial towards surviving in an environment?

Key Vocabulary: Raptor, Camouflage, Talon, Sharp Curved Beak, Tomial Tooth, Keen Eye Sight, Feathers, Merlin, Falcon, Owl, Hawk, Predator, Prey, Habitat, Biome, Mew, Variation, Adaptation, Characteristics, Traits, Diversity, Population, Evolution, Behavior, Observation, Compare and Contrast.

Prerequisite Terms: Argument, Beneficial, Differences, Ecosystem, Environment, External, Function, Genetic, Internal, Organism, Reproduction, Resource, Similarities, Strategy, Survival, Threatened, Variation.