

**8<sup>th</sup> Grade – Animal Adaptation**  
**PowerPoint Slide Show**

**NC Objectives:**

**Science:** 1. 04: Observe and describe how all living and nonliving things affect the life of a particular animal including: other animals; plants; weather; and climate. 1. 05: Observe and discuss how behaviors and body structures help animals survive in a particular habitat. 1. 06: Explain and discuss how humans and other animals can adapt their behaviors to live in changing habitats.

**Technology:** 1. 01: Identify and discuss the use of multimedia tools to report content area information. 1. 02: Organize, discuss, and use multimedia terms/concepts (e.g., navigation buttons, transitions, links/hyperlinks, animation). 1. 03: Strengthen and modify multimedia projects with music, branching and/or multiple screens for content areas, using sources as a group activity.

**Essential Question:**

How do food, water, oxygen, climate, and shelter affect the life and behaviors of a particular animal in its habitat?

**Materials:**

Books on animals, Internet research, data projector, index cards/clothespins

**Activating Schemata: (Learners Identify Active)**

Brain questions such as, "What if an elephant had a mouth instead of a trunk?" or "What if a cheetah didn't camouflage itself?" or "What if a shark did not stalk?" Discuss how these characteristics help the animals survive and adapt.

**Assessment/Prerequisite: (Key Vocabulary)**

Science vocabulary: Adaptation, camouflage, habitat, climate, habitat, learned behaviors

Technology vocabulary: storyboard, multimedia presentation, power point, slide show

**Learning Strategies: (Collaborative Pairs; Collaborated Student Activities; Distributed Summarizing; Graphic Organizers)**

After animal research has been completed by student pairs, they will storyboard their animal slide show. Model a storyboard for students using index cards/clothespins (2" x 4")

Slide 1: Title page / Name of animal / Student name / Picture of animal

Slide 2: Natural Environment and adaptation(s) of animal (Description & picture)

Slide 3: Thinking Map (Student's use) of 5 basic needs (Climate, Food, Water, Shelter, Oxygen) (Illustrate on basic needs when possible)

Slide 4: T-chart of animal behaviors (Intrinsic behaviors/learned behaviors)

Slide 5: Interesting facts students have learned about their animal

**Distributed Student Function/Summarizing Strategy: (Graphic Designed by Cynthia Perbelli)**