

# Lesson Plan

## Structures & Functions

**Class Duration:** 1 hour

**Tour Duration:** 1 hour

**Goals:** Construct an argument that animals have internal and external structures that function to support survival, growth, behavior, and reproduction. Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.

**Supplies:**

- Furs, Skulls, and Claws
- Blank cat masks and craft supplies
- Adaptation pictures

**Education:**

\_\_\_\_\_ Explain what a 'adaptation' is and how animals survive in their habitats

\_\_\_\_\_ Compare and Contrast specific cat adaptations

\_\_\_\_\_ Discuss different specializations cats have for living in different habitats

\_\_\_\_\_ View and discuss furs, skulls, claws, and images for specializations

\_\_\_\_\_ Students will construct masks to represent a cat of their choosing (real or made up) that is adapted to a specific environment (real or made up).

\_\_\_\_\_ Answer the question "How did what you learned today help you understand how animals specialize for their habitat?". Group discussion

\_\_\_\_\_ Take tour of on-site cats; observe and discuss their specializations

**SCIENCE STANDARDS:**

Common Core:

NGSS: 4-LS1-1, 4-LS1-2