

Animal Adaptations

Turn into a zoologist and explore fascinating animal adaptations. With your magnify glass, rulers and field notebook, compare and contrast skulls, pelts and other specimens to see how adaptations help animals survive.



About the Learning Lab

Museum Theme: Midwest Ecosystems

Grades: 2nd -4th grades

Duration: 60 minutes

Capacity: 30 per session, multiple sessions available for larger groups

Cost: \$6/student, \$4/KUSD student

Includes 1 Museum Experience and Class Discovery time

Goals of the Lab:

- Students will understand survival adaptations used by plants and animals
- Students will be able to identify animal adaptations using real specimens
- Students will work collaboratively to build critical thinking skills
- Students will engage in workshop generated conversations with teachers, other classmates and the facilitator

Standards:

- NGSS

- 2nd grade DCI
 - LS2: Independent Relationships in Ecosystems
 - LS2.D: Social interaction and group behaviors
- 3rd grade
 - LS2.C: Ecosystem dynamics, functioning, and resilience
- 4th grade
 - LS4.D Biodiversity and Humans
 - LS1.A Structure and Function
- CCC
 - Patterns
 - Cause and Effect
- S &EP
 - Analyzing and Interpreting Data
 - Constructing Explanations and Designing Solutions
 - Engaging in Argument from Evidence

WI Science Standards- Grade 4 Benchmarks

- A.4.1 When conducting science investigations, ask and answer questions that will help decide the general areas of science being addressed
- B.4.1 Use encyclopedias, source books, texts, computers, teachers, parents, other adults, journals, popular press, and various other sources, to help answer science-related questions and plan investigations
- C.4.1 Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied
- C.4.5 Use data they have collected to develop explanations and answer questions generated by investigations
- F.4.1 Discover how each organism meets its basic needs for water, nutrients, protection, and energy in order to survive
- F.4.2 Investigate how organisms, especially plants, respond to both internal cues (the need for water) and external cues (changes in the environment)