Zoology

The following learning targets represent the major concepts studied and assessed in this course.

Semester 1:

Unit 1: Introduction to Living Animals

- Explain how biological and physical sciences interact for the study of zoology.
- Explain how the structures and functions of cells allow for homeostasis.
- Compare and contrast the various cellular processes within the cell.

Unit 2: Evolution of Animal Life

- Explain how genetics plays a role in the evolution and reproduction of animals.
- Explain how the characteristics of life pertain to animals.
- Explain how evolution influences the reproduction and adaptation of animals.

Unit 3: Diversity of Animal Life

- Classify groups of animals based on physiology, adaptations, and processes to maintain homeostasis.
- Explain the differences and similarities between the major groups of animals based on their physiology, adaptations, and processes to maintain homeostasis.

Semester 2:

Unit 3: Diversity of Animal Life Continued

- Classify groups of animals based on physiology, adaptations, and processes to maintain homeostasis.
- Explain the differences and similarities between the major groups of animals based on their physiology, adaptations, and processes to maintain homeostasis.

Unit 4: Activity of Life

- Explain how the themes of biology are vital to the survival of animals
- Explain how the functions of the major body systems and how they help maintain homeostasis.

Unit 5: Animals and Their Environments

- Explain how animals have adapted to help them survive in their ecosystems.
- Explain the different types of stasis animal behaviors dictate.
- Explain how humans have impacted the behaviors of animals both positively and negatively.