



Kentucky Academic Standards Addressed By Zoo Program

GUIDED TOURS — PROTECTING BIODIVERSITY

Program description:

Develop an awareness of the dangers that animals and natural habitats now face. Discuss how we can help solve the problems.

Kentucky *Core Content for Science Assessment* standards addressed by this program:

EARLY PRIMARY – 8TH GRADE

Subdomain: Biological Science

Organizer: Unity and Diversity

Standards:

Fifth Grade

SC-05-3.4.1.

Students will describe and compare living systems to understand the complementary nature of structure and function.

Organizer: Biological Change

Standards:

Fifth Grade

SC-05-3.5.2.

Students will understand that all organisms must be able to obtain and use resources, grow, reproduce, and maintain stable internal conditions while living in a constantly changing external environment.

Sixth Grade

SC-07-3.5.1.

Students will:

-Explain the cause and effect relationship of the extinction of a species and environmental changes.

Subdomain: Unifying Concepts

Organizer: Interdependence

Standards:

Early Primary

SC-EP-4.7.1.

Students will describe the cause and effect relationships existing between organisms and their environments.

Fourth Grade

SC-04-4.7.1.

Students will make predications and/or inferences based on patterns of evidence related to the survival and reproductive success of organisms in particular environments.

SC-04-4.7.2.

Students will:

-Describe human interactions in the environment where they live;

-Classify the interactions as beneficial or harmful to the environment using data/evidence to support conclusions.

Fifth Grade

SC-05-4.7.1.

Students will:

- Describe and categorize populations of organisms according to the function they serve in an ecosystem (e.g., producers, consumers, decomposers);
- Draw conclusions about the effects of changes to populations in an ecosystem.

SC-05-4.7.2.

Students will understand that a population consists of all individuals of a species that occur together at a given place and time. All populations living together and the physical factors with which they interact compose an ecosystem.

Eighth Grade

SC-08-4.7.1.

Students will describe the interrelationships and interdependencies within an ecosystem and predict the effects of change on one or more components within an ecosystem.