



Indiana Academic Standards Addressed By Zoo Program

GUIDED TOUR — OUR GREEN WORLD (K-12)

Program description:

Explore the major biomes of the world. Find out how plants and animals have adapted in order to survive in differing biomes.

Indiana Science and Social Studies Standards addressed by this program:

GRADES 2-6th SCIENCE

Standard 4: The Living Environment

Diversity of Life

Grade 2

- 2.4.1 Observe and identify different external features of plants and animals and describe how these features help them live in different environments.

Grade 6

- 6.4.1 Explain that one of the most general distinctions among organisms is between green plants, which use sunlight to make their food, and animals, which consume energy-rich foods.

Interdependence of Life

Grade 2

- 2.4.2 Observe that and describe how animals may use plants, or even other animals, for shelter and nesting.
- 2.4.3 Observe and explain that plants and animals both need to take in water, animals need to take in food, and plants need light.

- 2.4.4 Recognize and explain that living things are found almost everywhere in the world and that there are somewhat different kinds in different places.

Grade 6

- 6.4.8 Explain that in all environments, such as freshwater, marine, forest, desert, grassland, mountain, and others, organisms with similar needs may compete with one another for resources, including food, space, water, air, and shelter. Note that in any environment, the growth and survival of organisms depend on the physical conditions.

ENVIRONMENTAL SCIENCE, ADVANCED

Standard 1: Principles of Environmental Science

Environmental Systems

- ENV.1.11 Locate, identify, and explain the role of the major Earth biomes and discuss how the abiotic and biotic factors interact within these ecosystems.
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GRADES 1ST -7TH SOCIAL STUDIES

Standard 1: History

Historical Knowledge

Grade 3

- 3.1.1 Identify and describe Native American Woodland Indians who lived in the region when European settlers arrived.
Example: Miami, Shawnee, Kickapoo, Algonquian, Delaware, Potawatomi and Wyandotte

Grade 4

- 4.1.2 Identify and describe historic Native American Indian groups that lived in Indiana at the time of early European exploration, including ways these groups adapted to and interacted with the physical environment. (Individuals, Society and Culture)
Example: Miami, Shawnee, Potawatomi and Lenape (Delaware)

Standard 3: Geography

Places and Regions

Grade 1

- 1.3.4 Identify and describe physical features and human features of the local community including home, school and neighborhood.

Physical Systems

Grade 3

- 3.3.7 Describe how climate and the physical characteristics of a region affect the vegetation and animal life living there.
Example: Growing seasons, types of crops grown, and animal hibernation and migration

Grade 7

- 7.3.6 Compare climate regions of Asia, Africa and the Southwest Pacific and explain why they differ.
Example: Desert, tropical, semiarid and subtropical
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WORLD GEOGRAPHY

Standard 3: Physical Systems

- WG.3.3 Describe the world patterns of natural vegetation and biodiversity and their relations to world climate patterns.
Example: Rainforests, savannahs and tundra