

Alabama Courses of Study and Correlations to World Song Global Classroom

Kindergarten:

Science:

Students will identify the amount of light found in each layer of the rainforest. Students will identify the effect of plant life living in that layer of the rainforest. Students will identify the amount of shade or sunlight in the layer.

2.) Identify the sun as Earth's source of light and heat.

- Predicting the effect of the sun on living and nonliving things
- Identifying relationships between light and shadows
- Predicting the occurrence of shadows

Students will listen to a CD of sounds of the rainforest. Students will identify the sounds.

3.) Relate a variety of sounds to their sources, including weather, animal, and transportation sounds.

Examples:

- weather-thunder,
- animal-dog bark,
- transportation-truck horn

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First Grade:

Science:

Students will identify animals of the rainforest and the layer of the rainforest they live. Students will discuss how their color, shape, size, texture, and covering help them survive in that layer of the rainforest.

4.) Describe survival traits of living things, including color, shape, size, texture, and covering.

- Classifying plants and animals according to physical traits

Examples:

- animals-six legs on insects,

- plants-green leaves on evergreen trees

- Identifying developmental stages of plants and animals

Examples:

- plants-seed developing into seedling, seedling developing into tree;

- animals-piglet developing into pig, kid developing into goat

- Describing a variety of habitats and natural homes of animals

Students will discuss why it is important to conserve the resources of the rainforest.

9.) Identify ways to conserve Earth's resources.

Example: turning off lights and water when not in use

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Second Grade:

Science:

5.) Identify the relationship of structure to function in plants, including roots, stems, leaves, and flowers.

6.) Identify characteristics of animals, including behavior, size, and body covering

- Comparing existing animals to extinct animals

Examples: iguana to stegosaurus, elephant to woolly mammoth

- Identifying migration and hibernation as survival strategies

9.) Describe evaporation, condensation, and precipitation in the water cycle.

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Third Grade:

Science:

3.) Describe ways energy from the sun is used.

Examples: plant growth, light, heat

- Identifying fossil fuels as a source of energy

7.) Describe the life cycle of plants, including seed, seed germination, growth, and reproduction.

- Describing the role of plants in a food chain
- Identifying plant and animal cells
- Describing how plants occupy space and use light, nutrients, water, and air
- Classifying plants according to their features

Examples: evergreen or deciduous, flowering or nonflowering

- Identifying helpful and harmful effects of plants

Examples:

- helpful-provide food, control erosion;

- harmful-cause allergic reactions, produce poisons

- Identifying how bees pollinate flowers
- Identifying photosynthesis as the method used by plants to produce food

10.) Determine habitat conditions that support plant growth and survival.

Examples: deserts support cacti, wetlands support ferns and mosses

13.) Describe ways to sustain natural resources, including recycling, reusing, conserving, and protecting the environment.

- Recognizing the impact of society on human health and environmental conditions

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Fourth:

Science:

5.) Describe the interdependence of plants and animals.

- Describing behaviors and body structures that help animals survive in particular habitats

Examples:

- behaviors-migration, hibernation, mimicry;

- body structures-quills, fangs, stingers, webbed feet

- Describing life cycles of various animals to include incomplete and complete metamorphosis

Examples: damsel fly, mealworms

- Tracing the flow of energy through a food chain

Example: producer, first-level consumer, second-level consumer, and third-level consumer

- Identifying characteristics of organisms, including growth and development, reproduction, acquisition and use of energy, and response to the environment

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Fifth:

Science: Non-applicable