

## Unifying Theme: Organisms

### Essential Standards and Clarifying Objectives

#### 1.L.1 Understand change and observable patterns of weather that occur from day to day and throughout the year.

**1.L.1.1** Recognize that plants and animals need air, water, light (plants only), space, food and shelter and that these may be found in their environment.

**1.L.1.2** Give examples of how the needs of different plants and animals can be met by their environments in North Carolina or different places throughout the world.

**1.L.1.3** Summarize ways that humans protect their environment and/or improve conditions for the growth of the plants and animals that live there. (e.g., reuse or recycle products to avoid littering.)

#### 1.L.2 Summarize the needs of living organisms for energy and growth.

**1.L.2.1** Summarize the basic needs of a variety of different plants (including air, water, nutrients, and light) for energy and growth.

**1.L.2.2** Summarize the basic needs of a variety of different animals (including air, water, and food) for energy and growth.

### Unpacking

What does this clarifying objective mean a child will know, understand and be able to do?

**1.L.1.1** Students know that living things need food, water, air, a way to dispose of waste, and an environment in which they can live. Students know animals eat plants or other animals for food and may also use plants (or even other animals) for shelter and nesting.

**1.L.1.2** Students know people need water, food, air, waste removal and a particular range of temperatures in their environment, just as other animals (and plants) do. Students know that living things are found almost everywhere in the world. In North Carolina, from the coast to the mountains, students should observe how different environments support the needs of different organisms (fish/water, crab/seashore, raccoon/piedmont, elk/mountains). There are different kinds of organisms in different places.

**1.L.1.3** Students know that humans depend on their natural and constructed environment and that humans can change the natural environment in ways that are beneficial or detrimental to humans or other living things. Students know that it is beneficial for humans to participate in activities that provide protection for the environment and/or improve the conditions of the environment for the growth of plants and animals that live there. Students know many materials can be recycled and used again, sometimes in different forms.

**1.L.2.1** Students know plants are living things that need energy and grow. Students know plants need to take in water, nutrients and light (to make their own food) for energy and growth.

**1.L.2.2** Students know animals are living things that grow and have basic needs for energy, air, and water. Animals depend on plants to provide them with energy directly or indirectly. Animals take in plants or other animals as an energy source.