



It's Alive (Grades K-1)

What makes something alive? The earth is made up of living and non-living things that students will be able to identify. And some organisms go through dormancy, a time in which they appear non-living, but are really living. We will categorize everyday items into plants, animals or minerals.

Grade K – Science Standards

1. The Nature of Science and Engineering
 2. The Practice of Engineering
 1. Some objects occur in nature; others have been designed and processed by people.
 - 0.1.2.1.1. Sort objects into two groups; those that are found in nature and those that are human made.
4. Life Science
 1. Structure and Function in Living Systems
 1. Living things are diverse with many different observable characteristics.
 - 0.4.1.1.3 Differentiate between living and nonliving things.

Grade 1- Science Standards

4. Life Science-
 1. Structure and Function in Living Systems
 1. Living things are diverse with many different observable characteristics.
 - 1.4.1.1.1 Describe and sort animals into groups in many ways, according to their physical characteristics and behaviors.
 - 1.4.2.1.1 Recognize that animals need space, water, food, shelter and air.
 2. Interdependence Among Living Systems
 1. Natural systems have many components that interact to maintain the system.
 - 1.4.2.1.2 Describe ways in which an animal's habitat provides for its basic needs.
For example: Compare students' houses with animal habitats.
 - 1.4.3.1.1 Demonstrate an understanding that animals pass through life cycles that include a beginning, development into adults, reproduction and eventually death.
For example: Use live organisms or pictures to observe the changes that occur during the life cycle of butterflies, meal worms or frogs.
 3. Evolution in Living Systems
 1. Plants and animals undergo a series of orderly changes during their life cycles.
 - 1.4.3.1.2 Recognize that animals pass through the same life cycle stages as their parents.

Grade 2- Science Standards

4. Life Science-
 1. Structure and Function in Living Systems
 1. Living things are diverse with many different observable characteristics.
 - 2.4.1.1.1 Describe and sort plants into groups in many ways, according to their physical characteristics and behaviors.
 2. Interdependence Among Living Systems
 1. Natural systems have many components that interact to maintain the system
 - 2.4.2.1.1 Recognize that plants need space, water, nutrients and air, and that they fulfill these needs in different ways.
 3. Evolution in Living Systems
 1. Plants and animals undergo a series of orderly changes during their life cycles.
 - 2.4.3.1.1 Describe the characteristics of plants at different stages of their life cycles. *For example:* Use live organisms or pictures to observe the changes that occur during the life cycles