



Winter Adaptations (Grades K-2)

Students will learn how animals can survive the winter through adaptations that allow them to adjust and thrive in the cold winter months. Students will discover that different animals have different food and shelter needs during winter and learn six slick tricks for adapting to the cold.

K Science Standards:

4. Life Science-

1. Structure and Function in Living Systems

1. Living things are diverse with many different observable characteristics.

0.4.1.1.1 Observe and compare plants and animals.

0.4.1.1.2 Identify the external parts of a variety of plants and animals including humans.

For example: Heads, legs, eyes and ears on humans and animals; flowers, stems and roots on many plants.

0.4.1.1.3 Differentiate between living and nonliving things.

For example: Sort organisms and objects (or pictures of these) into groups of those that grow, reproduce, and need air, food, and water; and those that don't.

2. Interdependence Among Living Systems

1. Natural systems have many components that interact to maintain the system.

0.4.2.1.1 Observe a natural system or its model, and identify living and nonliving components in that system.

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