



Spring 2018 5th Grade Lesson Objectives



Observation in classrooms: Week of February 13th, 2018

Lesson 1 Week of February 26th, 2018

Title: Inherited Traits and Learned Behaviors

Skills TEKS: 5.1A, F

Knowledge TEKS:

5.10 Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments. The student is expected to:

(B) differentiate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as an animal learning tricks or a child riding a bicycle.

Objectives:

1. Students will be able to correctly identify examples of inherited traits vs. learned behaviors.
2. Students will relate the role that some of these traits and behaviors play in species survival.

Lesson 2 - Week of March 5th, 2018

Title: Artic Adaptations

Skills TEKS: 5.1A, F and 5.4A

Knowledge TEKS:

5.10 Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments. The student is expected to:

(A) compare the structures and functions of different species that help them live and survive such as hooves on prairie animals or webbed feet in aquatic animals.

Objectives:

1. Students will explore how different artic adaptations help organisms live and survive in their environment.
2. Students will compare the structures and functions of different species that help them survive in harsh arctic environments.

March 12th- 16th is Spring Break: Not going to schools

Lesson 3 - Week of March 19th, 2018

Title: Desert Interactions and Adaptations

Skills TEKS: 5.2D, F, 5.4A

Knowledge TEKS:

5.9 Organisms and environments. The student knows that there are relationships, systems, and cycles within environments. The student is expected to:

(A) observe the way organisms live and survive in their ecosystem by interacting with the living and non-living elements.

(B) describe how the flow of energy derived from the Sun, used by producers to create their own food, is transferred through a food chain and food web to consumers and decomposers.

3.9 Organisms and environments. The student knows that organisms have characteristics that help them survive and can describe patterns, cycles, systems, and relationships within the environments. The student is expected to:

(A) observe and describe the physical characteristics of environments and how they support populations and communities within an ecosystem

Objectives:

1. Students will explore how different desert organisms interact with their living and non-living environment.
2. Students will explain some desert organism's adaptations which help them survive in their environment and identify them as inherited traits or learned behaviors.
3. Students will describe how the energy is transferred through a food web.

Lesson 4 - Week of March 26th, 2018

Title: Carbon Dioxide - Oxygen Cycle

Skills TEKS: 5.1A, 5.4B

Knowledge TEKS:

5.9 Organisms and environments. The student knows that there are relationships, systems, and cycles within environments. The student is expected to:

(C) predict the effects of changes in ecosystems caused by living organisms, including humans, such as the overpopulation of grazers or the building of highways.

(D) identify the significance of the carbon dioxide-oxygen cycle to the survival of plants and animals.

Objectives:

1. Students will examine the significance of carbon in the carbon dioxide/oxygen cycle as critical to the survival of plants and animals.
2. Students will conduct investigations to visualize that all living things are made of carbon.
3. Students will identify adaptations, which allow organisms to thrive in their carbon dioxide/ oxygen environment.

Lesson 5 - Week of April 2nd, 2018

Title: Plant Adaptations

Skills TEKS: 5.1A, 5.4B

Knowledge TEKS: 5.9 A & B

5.9 Organisms and environments. The student knows that there are relationships, systems, and cycles within environments. The student is expected to:

(C) predict the effects of changes in ecosystems caused by living organisms, including humans, such as the overpopulation of grazers or the building of highways.

(D) identify the significance of the carbon dioxide-oxygen cycle to the survival of plants and animals.

I. Overview

Students will explore how different plants have different adaptations to help them survive in the environments they live in, and how the ecosystems change by living organisms. Students will understand that these are inherited traits or behaviors and are the result of adaptations over time.

II. Objectives

1. Students will explore various plants and their adaptations.
2. Students will identify adaptations, which allow organisms to thrive in their carbon dioxide/ oxygen environment.

April 9th – 13th is STARR Testing: Not going to schools

Lesson 6 - Week of April 16th, 2018

Title: Science Olympics Competition Week (may modify based on MOY)

1. Rotation Revolution 5.8C
2. Weathering and Erosion 5.7A & B
3. Sun 5.8D
4. Comparing Earth/Moon 5.8D
5. Using the Tools of Science 5.4A
6. Plant Adaptations – CO2 5.9D, 5.10A & B

Lesson 7 - Week of April 23rd, 2018

Title: Science Olympics Competition Week (may modify based on MOY)

1. Rotation Evolution 6.8C
2. Weathering and Erosion 5.7A & B
3. Sun 5.8D
4. Comparing Earth/Moon 5.8D
5. Using the Tools of Science 5.4A
6. Plant Adaptations – CO2 5.9D, 5.10A & B

Week of April 30th, 2018 - Make up week for lesson missed due to testing or holidays