



Spring 2015 2nd Grade Lesson Objectives

Lesson 1 - Week of February 23rd, 2015

Title: Seed Dissection

TEKS:2.9 Organisms and environments. The student knows that living organisms have basic needs that must be met for them to survive within their environment. The student is expected to:

(A) identify the basic needs of plants and animals

2.10 Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:

(B) observe, record, and compare how the physical characteristics of plants help them meet their basic needs such as stems carry water throughout the plant.

Objectives:

1. The student will identify plants as living things and name the essential needs of plants (water, food, air, light).
2. The student will identify the basic parts of a plant seed and characteristics that help meet its basic needs.
3. The student will know that seeds can eventually become a plant.
4. The student will dissect a germinating bean seed.

Lesson 2 - Week of March 2nd, 2015

Title: Seed Dispersal

TEKS: 2.10 Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:

(B) observe, record, and compare how the physical characteristics of plants help them meet their basic needs such as stems carry water throughout the plant.

Objectives:

1. Students will predict and examine the structures that aid in seed dispersal.
2. Students will compare and contrast seeds to organize them into groups by their characteristics.
3. Students will categorize provided seed samples into groups based on their method of seed dispersal.

Lesson 3 - Week of March 9th, 2015

Title: The Buzz on Bees

TEKS:2.9 Organisms and environments. Living organisms have basic needs to survive in their environment.

(A) identify the basic needs of plants and animals;

2.10 Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:

(A) observe, record, and compare how the physical characteristics of animals help them meet their basic needs.

Objectives:

1. The students will explore a bee's role in the environment as it relates to flower reproduction.
2. Students will differentiate between seed dispersal and pollen dispersal.

Week of March 16th, 2015 – Spring Break

Lesson 4 - Week of March 23rd, 2015

Title: Bird Feet

TEKS: 2.9 Living organisms have basic needs to survive in their environment

(A) Identify the basic needs of plants and **animals**

2.10 Organisms and environment: The student should know that organisms resemble their parents and have structures and processes that help them survive within their environments. The students will be expected to:

(A) Observe, record, and compare how the physical characteristics and behavior of animals help them meet their basic needs (i.e fins helping fish move and balance in water)

Objectives:

1. The students will observe and sort bird feet according to their characteristics.

2. The students will compare and identify environments that are optimal for different types of bird feet.

Week of March 30th, 2015 - No school visits - 5th grade STARR Reading and Mathematics

Lesson 5 - Week of April 6th, 2015

Title: Beaver Dams

TEKS: 2.9 Living organisms have basic needs to survive in their environment

(A) identify the basic needs of plants and animals;

(B) identify factors in the environment, including temperature and precipitation, that affect growth and behavior such as migration ... of living things

2.10 Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:

(A) observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs such as fins help fish move and balance in the water

Objectives:

1. Students will observe and describe the physical characteristics of an environment and how they support populations and communities within an ecosystem.
2. The students will discuss the modifications that beavers make to their environment to survive environmental changes.

Lesson 6 - Week of April 13th, 2015

Title: Fabric Lesson

TEKS: 2.1 Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures. The student is expected to:

(C) identify and demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reuse or recycling of paper, plastic, and metal.

2.7 Earth and space. The student knows that the natural world includes earth materials. The student is expected to:

(C) distinguish between natural and man-made resources

Objectives:

1. Students will distinguish between natural and man-made resources (cloth and fabric).
2. Students will justify explanations from observations made during an investigation.
3. Students will compare and contrast data gathered from an investigation.
4. Students will identify how to conserve and dispose of natural resources.

Week of April 20th, 2015 - No school visits – 5th grade STARR Science

Lesson 7 - Week of April 27th, 2015

Title: Research and Wiggle-Worms

TEKS: 2.9 Living organisms have basic needs to survive in their environment

(A) identify the basic needs of plants and animals;

(B) identify factors in the environment, including temperature and precipitation, that affect growth and behavior such as migration ... of living things

2.10 Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:

(A) observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs such as fins help move and balance in the water.

Objectives:

1. Students will explore current research on earthworms and related species related to basic needs.
2. Students will observe, record, and compare how the physical characteristics and behaviors of animals that wiggle help them meet their basic needs

Week of May 4th, 2015 - Make up week for lesson missed due to testing or holidays