



SCIENCE GRADE 1

SPRING BREAK LEARNING

MARCH 10-14

2025

**The Department of
Curriculum & Instruction**

Hello MSCS Family,

This resource packet was designed to provide students with activities that can be completed during the Spring Break Academy independently or with the guidance and supervision of family members or other adults. The activities are aligned to the TN Academic Standards for Science and will provide additional practice opportunities for students to develop and demonstrate their knowledge and understanding. A suggested pacing guide is included. However, students can complete the activities in any order over three days. Below is a table of contents that lists each activity.

Table of Contents

Activity	Page number	Suggested pacing
Bright As the Sun	3-6	Day 1
Plants and Animals in Mexico	7-9	Day 2
How Do Seeds Grow?	10	Day3

1st Grade Science: Bright As the Sun

Grade Level Standard(s)	1.LS2.3: Recognize how plants depend on their surroundings and other living things to meet their needs in the places they live.
Caregiver Support Option	Help your student by guiding them through the directions.
Materials Needed	<i>Bright As the Sun</i> Article
Essential Question	What do plants need to live?
Learning Outcome	Students will explain what plants need to live.

Bright As the Sun

by ReadWorks



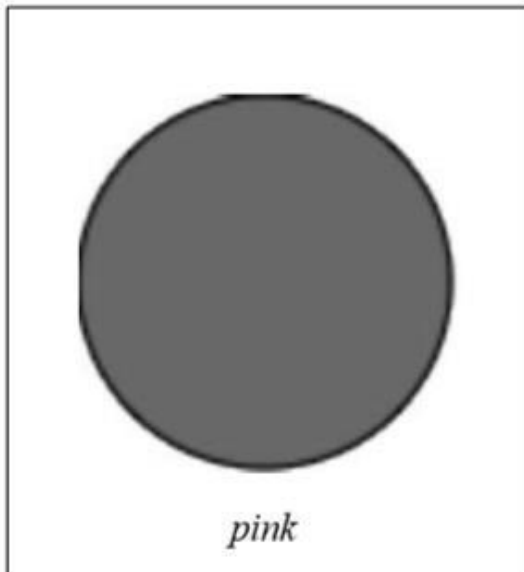
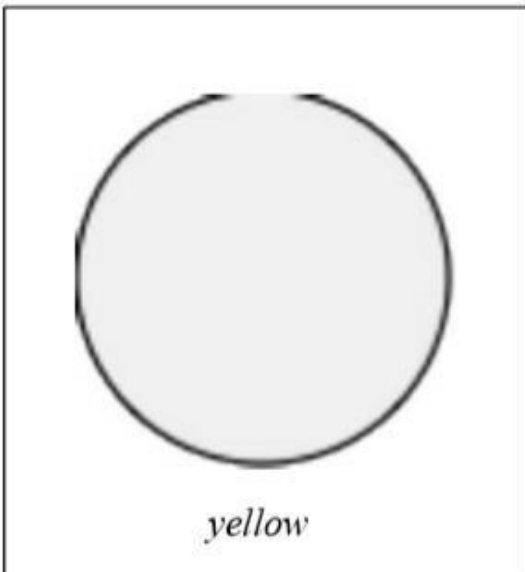
Sunflowers are big, beautiful plants. Many are bright and yellow, just like the sun. Some sunflowers are orange or brown or red. Sunflowers grow in fields. They need sunshine and warmth to grow from seed to flower. And sunflowers need lots of water!

Name: _____ Date: _____

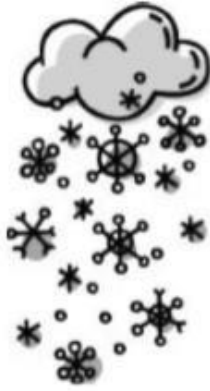
1. What is a sunflower?



2. What color are many sunflowers?



3. What do sunflowers need to grow?



snow



sunshine

4. Where do sunflowers grow?



forests



fields

5. What three things do sunflowers need to grow?

6. What did you learn from "Bright as the Sun"?

7. Draw a picture of at least one thing a sunflower needs to grow.

1st Grade Science: Plants and Animals in Mexico

Grade Level Standard(s)	1.LS1.1: Recognize the structure of plants (roots, stems, leaves, flowers, fruits) and describe the function of the parts (taking in water and air, producing food, making new plants).
Caregiver Support Option	Help your student by guiding them through the reading and questions.
Materials Needed	<i>Plants and Animals in Mexico</i> Article
Essential Question	How do plants grow and change?
Learning Outcome	Students will explain how plants grow and change.

Plants and Animals in Mexico



Cacti

Mexico has many different kinds of land. It has big deserts. But it also has rainforests in some areas. And parts of the country are by an ocean or sea. Each kind of land in Mexico is a different ecosystem. Different animals and plants live in each area. What can we find in different parts of Mexico?

The desert areas have short grasses. They also have cacti. These are plants that do well in hot, dry places like the desert.

The rainforests have many kinds of trees. They have palm trees. They also have ferns. And there are many animals there, too. Monkeys, parrots, and jaguars all live in Mexico's rainforests.

There are also many kinds of animals in the water around Mexico. Tropical fish swim near Mexico's east coast. So do whales and sharks!

1. What animals live in the Mexican rainforests?

- A. monkeys, parrots, and jaguars
- B. whales, sharks, and fish
- C. dogs, cats, and bunny rabbits

2. This text compares deserts and rainforests. What is the same about these two ecosystems?

- A. They have the same plants.
- B. They are both in Mexico.
- C. They have the same animals.

3. Read these sentences about Mexican rainforests:

"The rainforests have many kinds of trees . . . And there are many animals there, too."

What does this tell us about rainforests?

- A. Rainforests are hot and dry like the desert.
- B. Rainforests are home to many different plants and animals.
- C. Rainforests are very big.

4. What is "Plants and Animals in Mexico" mostly about?

- A. the Mexican rainforest
- B. whales and sharks
- C. plants and animals in Mexico

5. What animals can you find in the water around Mexico?

In the water around Mexico, you can find _____.

6. What did you learn from "Plants and Animals in Mexico"?

7. Class Discussion Question: Discuss the different kinds of land in Mexico. Be sure to mention the animals and/or plants in each ecosystem.

8. Draw a Mexican desert.

1st Grade Science: How Do Seeds Grow?

Grade Level Standard(s)	1.LS1.2: Illustrate and summarize the life cycle of plants.
Caregiver Support Option	Help your student by guiding them through the reading and the Book of Knowledge exercise.
Materials Needed	<i>How Do Seeds Grow?</i> Article
Essential Question	How do plants grow and change?
Learning Outcome	Students will explain how plants grow and change.

ReadWorks®

How Do Seeds Grow?

How Do Seeds Grow?

by ReadWorks



Many plants start out as small seeds. How does a seed grow?

First, a seed falls or is put into dirt. Water and the sun's light might help the seed to start growing.

Soon, the seed breaks open. Roots start to grow down into the dirt. Then a shoot pushes up through the dirt. The stem and leaves pop out next.

Soon, the little plant will be grown-up.

Book of Knowledge

Directions: Please write 2 or 3 things you have learned from the article that you want to remember.

1st Grade Science: Bright As the Sun

Grade Level Standard(s)	1.LS2.3: Recognize how plants depend on their surroundings and other living things to meet their needs in the places they live.
Caregiver Support Option	Help your student by guiding them through the directions.
Materials Needed	<i>Bright As the Sun</i> Article
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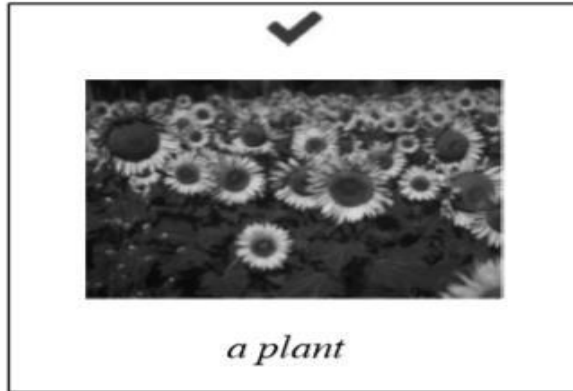
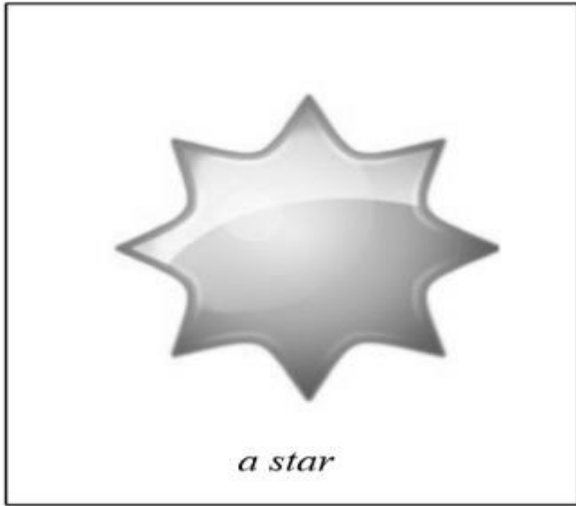
Bright As the Sun

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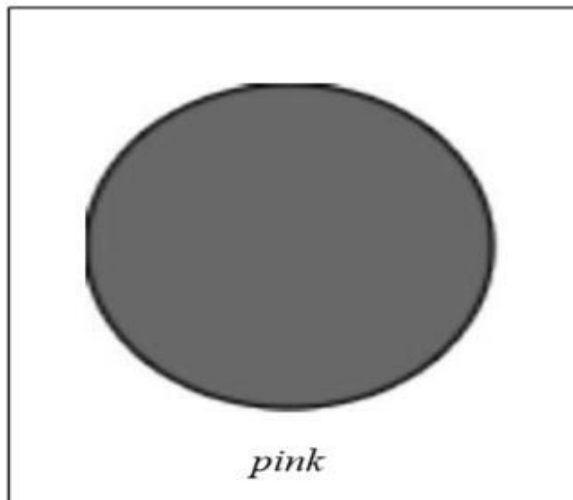
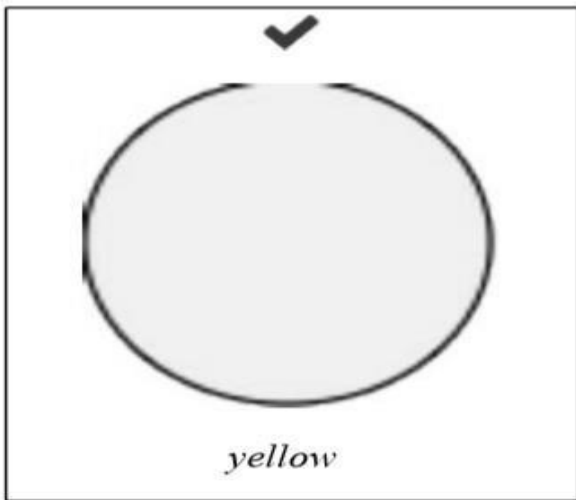


Sunflowers are big, beautiful plants. Many are bright and yellow, just like the sun. Some sunflowers are orange or brown or red. Sunflowers grow in fields. They need sunshine and warmth to grow from seed to flower. And sunflowers need lots of water!

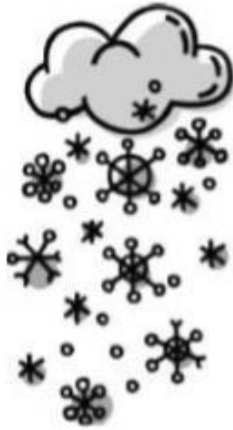
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2. What color are many sunflowers?



3. What do sunflowers need to grow?



snow



sunshine

4. Where do sunflowers grow?



forests



fields

5. What three things do sunflowers need to grow?

Answers should include sunshine (sun), warmth, and water.

6. What did you learn from "Bright as the Sun"?

Answers may vary and should be supported by the passage.

7. Draw a picture of at least one thing a sunflower needs to grow.

Drawings may vary but should depict water or sunshine, and perhaps more abstractly, warmth.

1 st Grade Science: Plants and Animals in Mexico	
Grade Level Standard(s)	1.LS1.1: Recognize the structure of plants (roots, stems, leaves, flowers, fruits) and describe the function of the parts (taking in water and air, producing food, making new plants).
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- C. plants and animals in Mexico

5. What animals can you find in the water around Mexico?

In the water around Mexico, you can find tropical fish, sharks, and whales.

6. What did you learn from "Plants and Animals in Mexico"? Answers may vary but should be supported by the text.

7. Class Discussion Question: Discuss the different kinds of land in Mexico. Be sure to mention the animals and/or plants in each ecosystem.

8. Draw a Mexican desert.

7. Answers will vary, but students should explain that Mexico has deserts, rainforests, and coastal land (land by an ocean or sea). The desert ecosystems are hot and dry. They have short grasses and cacti. The rainforest has many plants like palm trees and ferns. They also have monkeys, parrots, and jaguars. The waters around Mexico have tropical fish, whales, and sharks.

8. Students' pictures may vary but should depict land that is hot and dry. Ideally, students will also include short grasses and cacti.

1st Grade Science: How Do Seeds Grow?

Grade Level Standard(s)	1.LS1.2: Illustrate and summarize the life cycle of plants.
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Book of Knowledge

Responses will vary.