

My First Science Songs

Grade Level: K - 3

Content Areas: Music, Art, Science, Technology, and Language Arts

Time Frame: 60 minutes

MATERIALS

My First Science Songs books

Crayons, colored pencils, or markers

Paper and pencils

Encyclopedias, botany or gardening books, or magazines with images and descriptions of plants



OBJECTIVES

Students will:

- Identify and describe the parts of a flowering plant.
- Differentiate between types of plants.
- Describe the needs of plants.
- Define the term photosynthesis.

VOCABULARY:

Key vocabulary

Before reading, focus on vocabulary. Read the glossary words and their definitions.

Flower - The bloom or blossom of a plant; the reproductive organ of an angiosperm plant

Leaves - The main organs of photosynthesis and transpiration in plants

Photosynthesis - A process used by plants to convert water, carbon dioxide and sunlight into carbohydrates and oxygen

Roots - The usually underground part of a seed plant body

Seed - A fertilized and mature ovule containing a plant embryo

Stem - Stalk; a slender or elongated structure that supports a plant

FREE SONG

[Click here](#) to download or stream the My First Science Songs songs.

Find other Cantata Learning songs and books at <http://www.cantatalearning.com>.

PROCEDURES/ACTIVITIES

Preparation:

Start this lesson by asking students what plants need to grow and live. Ask students if they think that all plants need the same things to grow and live.

Lesson Procedure:

1. Read *My First Science Songs* books to help students get a better understanding of plants and their needs.
2. After reading, talk about the types of plants featured in the books.
3. Ask students to point out differences in the plants and how different plants get their food.
4. Also, discuss the parts of flowering plants and the process of photosynthesis.
5. Tell students that they will be conducting research to write about their plant of choice.
6. Have each student choose a different plant they would like to learn more about.
7. Students should be sure to include the plants needs and three interesting facts about the plant.
8. Also, have students draw a picture with each plant part labeled.
9. Students may use encyclopedias, botany or gardening books, or magazines for research. The PebbleGo Science database would be another great place to research plants. There is a whole section on plants in Life Science. You can learn more about [PebbleGo here](#).
10. Once students have completed their research, writing and picture have students get into groups of four.
11. Have the groups discuss the differences and similarities of the plants and share what they learned about plants.

Art Extension:

The art extension of this lesson plan can be found above in the main lesson part. Students will draw a picture with each plant part labeled. Tying in the research will enrich this project.

Students can use a variety of materials to create their plant pictures or displays. These can be 2 or 3-dimensional incorporating paper, paper mache, clay, etc...

Technology Extension:

This is a terrific lesson to tie in technology by using Buncee to create a class book. Have each student choose a different plant they would like to learn more about. Students may use encyclopedias, botany or gardening books, or magazines for research. The PebbleGo Science database would be another great place to research plants. There is a whole section on plants in Life Science.

Students can create a page or pages within Buncee. They can search for images of plants, draw their own, or upload the drawings they created. Within Buncee, students will be able to add text, voice, video, interactive stickers and more making this a truly interactive reading and creative experience. They can even add the downloaded music from the Cantata Learning Series My First Science Songs.

As the students have their individual pages created, you will be able to Stitch them together within Buncee creating a class book which can be viewed by the school community and others around the world.

Also, on the Chromville website there is a free augmented reality worksheet focused on plants. This can be found [here](#). This is an augmented reality activity that once colored students scan with the Chromville app to make the parts of the plant come to life.

YouTube Music Videos for My First Science Songs:

[Busy, Busy Leaves](#) [Sturdy Stems](#)

[Fancy Flowers](#) [Tasty Fruit](#)

[Little Seeds](#) [Thirsty Roots](#)

Standards:

Common Core:

Kindergarten: CCSS.ELA-LITERACY.SL.K.1, CCSS.ELA-LITERACY.SL.K.2, CCSS.ELA-LITERACY.SL.K.5, CCSS.ELA-LITERACY.SL.K.6, CCSS.ELA-LITERACY.L.K.1

First Grade: CCSS.ELA-LITERACY.SL.1.1, CCSS.ELA-LITERACY.SL.1.2, CCSS.ELA-LITERACY.SL.1.5, CCSS.ELA-LITERACY.SL.1.6, CCSS.ELA-LITERACY.L.1.1

Second Grade: CCSS.ELA-LITERACY.SL.2.1, CCSS.ELA-LITERACY.SL.2.2, CCSS.ELA-LITERACY.SL.2.4, CCSS.ELA-LITERACY.SL.2.6, CCSS.ELA-LITERACY.L.2.1

Third Grade: CCSS.ELA-LITERACY.SL.3.1, CCSS.ELA-LITERACY.SL.3.2, CCSS.ELA-LITERACY.SL.3.4, CCSS.ELA-LITERACY.SL.3.6, CCSS.ELA-LITERACY.L.3.1

National Academy of Sciences:

Life Science: Characteristics of organisms; Life cycles of organisms