

Lesson Plan Title

Pollinating Bees

Grade Level

1st Grade

Subject Area

Science

MSCCRS

L.1.3B.1 Identify the body parts of a pollinating insect (e.g., bee, butterfly) and describe how insects use these parts to gather nectar or disperse pollen. Report findings using drawings, writing, or models.

Art Form

Visual Art

MSCCR Creative Arts Standards

VA: Cr2.1.1 Organize and develop artistic ideas and work.

- a. Explore uses of materials and tools to create works of art or design.

VA: Cr2.2.1 Organize and develop artistic ideas and work.

- a. Demonstrate safe and proper procedures for using materials, tools, and equipment while making art.

Duration

1 Hour

Materials

Brown or white paper bags

Construction paper

Scissors

Glue

Cheetos

Markers

Objectives

Students will understand the importance of bees in the process of pollination.

Students will use art materials to create a bee puppet to model the process of pollination.

Vocabulary

Worker bees

Pollination

Stamen

Pistil

Puppet

Finger Puppet

Contrasting colors (black and yellow)

Lesson Description

The teacher will begin the lesson by showing the animated video of bee pollination https://youtu.be/uDJpk89_Y8s

The teacher will ask the following questions after the video and discuss with students:

- “How do bees collect pollen and nectar?”
 - “What is bee anatomy?”
 - “Why are bee’s yellow, black and have stingers?”
The black and yellow stripes that bees and wasps share are to warn other animals (including humans) that they are dangerous. That is why people get alarmed when they see any flying insect with black and yellow stripes.
 - A bee is an insect. It has six legs. It has three body parts: head, thorax, and body. (info to give students to help them imagine what a bee looks like)
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- The teacher will have art materials on tables or desks. The teacher will review proper procedures for using scissors and art materials in a safe manner. The teacher will allow students to experiment with scissors as he/she cuts out a flower to place on the bee puppet. The students will create flowers using colored construction paper and bee puppets using paper bags (for the bee body) and various art materials to decorate the bag. The teacher will talk about the parts of a bee and assemble the puppet with the students. (as the teacher will model each step for the students)
 - After creating his/her puppet and gluing the flower on the puppet, then the teacher will fill each student’s bag with a few Cheetos.
 - The teacher will have students partner up, placing bee finger puppet on their hands.
 - Students will model the pollination process using the Cheetos by landing on their flower (reach inside and eat some Cheetos or just touch them if they don’t want to eat them) and then touch the flower on the bag with their finger that has the Cheetos residue on it (as if it were the pollen).
 - Remind students not to lick their fingers or wipe off Cheetos- Students then fly their bee to their partner's flower and wipe their fingers (the bee’s legs) on the white flower to represent the bee dropping off pollen in another plant.
 - Each partner group can discuss the process of pollination and how it was modeled using the puppets and Cheetos.

Recommended Resources

https://youtu.be/uDJpk89_Y8s

Extended Learning Activities

Students could write about the pollination process that was observed during the art lesson.

Students could also create a bee using pipe cleaners. See link:

<https://www.adabofgluewilldo.com/bee-finger-puppet-craft/>

Sources

www.teacher.org; All About Pollination by Brittany Zae

YouTube video "Vitamin BEE" Pollination https://youtu.be/uDJpk89_Y8s

Tips

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