

Activity 2.2 Pollen

Introduction

In the story Angelina, Mylo, and Suzi wondered how plants got into the field where they plan to grow wildflowers. The three friends decided they needed to learn more about seeds and even how plants grow before they could solve the design problem.

As you prepare to design a device to spread seeds over a large area, you also need to learn more about how seeds and pollen are spread. Learning about the seed cycle will help you plan a way to solve the design problem.

In this activity you will learn about pollen and pollination.

Equipment

- iPad® tablet
- Launch Log
- Silk flowers, 1 per pair
- Pipe cleaners, 1 per pair
- Flour, powdered sugar, or other fine powder, ¼ cup
- Paper plates, 1 per pair (optional)

Procedure

Use the Canvas app on a tablet to open Activity 2.2 and read the introduction. Then select the Procedure icon. Your teacher will give directions for following the procedure.

Pollen is a hard-coated powder produced by plants as a part of plant reproduction. View the following presentation to learn more about pollen and this process.

1. Log into the LMS on your tablet.
2. View the presentation entitled Pollen and Pollination.
3. Label the parts of the flower in your Launch Log.
4. Be ready to share what you learned with your classmates.
5. Follow your teacher's directions on how to model pollination.

Conclusion Questions

Answer the following in your Launch Log or submit your answers using the Canvas app on your tablet.

1. What is pollen?

2. Name some ways that animals disperse seeds and pollinate plants.

3. Describe pollination. You may write a description or use sketches with labels.