

SUPER SEEDS

THE AMAZING DIVERSITY
OF SEEDS



STUDENT WORKBOOK



? 1. Write two things you noticed when sorting the seeds.

? 2. Write two questions you have about the seeds.

Let's explore more about seed types.

STICKY LEGS

Pollinators help plants make more plants. In this activity, you will learn about pollen and how bees spread pollen from plant to plant.

LEARNING GOALS:

- ✓ I can make a model to show pollination and seed dispersal by an animal.

POLLINATION

Did you notice the seeds were different shapes, sizes, and colors? When something has many different kinds, we can say it has **diversity**.

Why do you think seeds have diversity? One reason is each type of seed grows a different plant. If there was only one type of seed, only one type of plant would grow.

Another reason is that seed diversity changes how a plant is pollinated. Let's learn more about pollination!

What's going on in this picture? →
Plants have pollen. **Pollen** is a small, sticky powder that helps plants make seeds. The bee has pollen on its legs. The bee is a **pollinator**. Butterflies and birds are pollinators too. Pollinators move pollen from plant to plant so the plants can make seeds. This is called **pollination**.



Bees have hair on their legs that collect the pollen. As the bees move from plant to plant, the pollen spreads.

SHOW WHAT YOU KNOW

13



STEP 1

Draw the path the bee took to pollinate the flower.



STEP 2

Draw an arrow showing the parts of the pollinator that helped move pollen.

STEP 3

Draw a picture of another type of pollinator on a plant. Label your pollen and pollinator.



ACTIVITY
3

MOVING WITHOUT FEET

14

Pollen helps a plant make seeds. What happens next? The seeds need to move away from their parent plant to grow. Seeds need help to move. In this activity, you will learn how animals move seeds.

LEARNING GOALS:

- ✓ I can make a model to show pollination and seed dispersal by an animal.
- ✓ I can see what is the same and different about organisms in habitats.

SEED DISPERSAL

After the plant makes seeds, the seeds need to move away from other plants. If they are too close to other plants, the seeds will not get enough sunlight or water to live.



How can a seed move if it doesn't have feet? Seeds can move with the help of animals. Some seeds have rough edges. The edges hook to the fur and feathers of animals as they walk by or lay down near plants.

When the animal moves, the seed goes with it to a new home. This is called seed dispersal. Dispersal is the spreading out of seeds.

WHAT YOU NEED:

FROM THE KIT:

- Fur
- Feather
- Wildflower seeds

15



SCIENCE UNLOCKED

© Home Science Tools. All rights reserved.
Reproduction for personal or classroom use only.

Contact us at: www.homesciencetools.com/customer-service/

A Product of Homesciencetools.com

Kit	
Instructions	
Revision Date	3/2021