



# Glove Gardens

## Overview

Children will create a garden in a disposable glove. They will learn about the conditions necessary to make the seeds sprout and will actively participate in caring for their plants.

## Illinois State Goals

**Science Goal 11:** Understand the processes of scientific inquiry to investigate questions, conduct experiments, and solve problems.

**Science Goal 12:** Understand the fundamental concepts, principals and interconnections of the life, physical and earth sciences.

## Vocabulary

- Observation
- Seeds
- Growth
- Sunlight
- Photosynthesis
- Responsibility

## Materials

Disposable plastic gloves (commonly used for food preparation)

Sticker dots or small labels

Cotton balls

5 kinds of seeds

Water droppers

Water

Optional: Prototypes at different stages of growth prepared by teacher

Ownership Agreement (see attached)

Pens or Pencils

## **Procedure**

1. Give one plastic glove to each child.
2. Place a cotton ball in each finger of the glove.
3. Add one seed to each finger, placing the seed on top of the cotton ball. Use a different type of seed for each finger.
4. Use a sticker dot to label each finger with the type of seed it holds.
5. Use the water droppers to add one drop of water to each seed.
6. Hang the gloves in the window by taping them to the glass.
7. Discuss with the class their predictions for the seeds. What will they need in order to grow? Which seed will grow the fastest? Which will grow the largest?
8. Chart the students predictions.
9. Have the students sign the *Glove Garden Owner's Agreement* (attached) outlining what they will do to take care of the garden.
10. Hang an "Observation" chart in the classroom. Each day, ask students to observe and report any changes they see. Have them measure the growth with a ruler, and chart the growth of the plants.

## **Extension**

### ***Glove Garden Journals***

Students can make a garden journal in which they document their plants growth in several ways. They can observe their plants and draw what they see with colored pencils or markers. They can also write in their journals about the changes they see taking place, and what kind of care they provided for their plants to help them grow. Garden Journals can be displayed with the *Glove Gardens*.



## Glove Garden Owner's Agreement

What does a plant need to grow? How can you help? Place a check next to each responsibility you agree to take on as the owner of your *Glove Garden*.

\_\_\_\_\_ I'll place my *Glove Garden* in a window where it can get sunlight.

\_\_\_\_\_ When the cotton dries out, I'll put a little water in each fingertip.

\_\_\_\_\_ I'll move the baby plants to larger homes once they have sprouted. (Once it's warm, you can move your plants into the ground outside.)

\_\_\_\_\_ I'll make sure my plants have plenty of water.

\_\_\_\_\_ I'll watch my plants grow.

My Name: \_\_\_\_\_ Today's date: \_\_\_\_\_