



Ohio Academic Content Standards

Science: Kindergarten: LS 1 & PS 1 1st Grade: ESS 1 & LS 1

Introduction

The egg shell garden science activity is the perfect way to view nature, seed science, and growing all up close and on a miniature scale.

Things you will need:

- Egg shells
- Grass seeds (or other small plant seeds)
- Soil
- Hot glue gun and glue sticks
- Wax paper
- Magnifying glass (optional)



What to Do:

The first step is to remove the egg from the shell. Crack open the skinny end of the egg, and save the egg itself for cooking. Rinse & dry the egg shells.

Egg shells are round, so they won't stand up on their own unless you give them a stand. Make a stand by placing a glob of hot glue onto a piece of wax paper. Next, stick the egg shell into the glob of glue. When the glue dries, peel the egg (carefully) off of the wax paper and it would stand on its own.

Put dirt inside the eggs and sprinkle with seeds. Dampen the seeds and place in a sunny spot (or in different spots if you are comparing growing conditions). Then, you wait for seeds to sprout. You should start to see sprouts within a week! Examine them with a magnifying glass. to look at the sprouts up close and discuss why plants have these parts and what they use them for.

Extension Activity:

Seeds will grow differently in various conditions. Try placing one egg shell in full sun, one in partial sun, one indoors, and one in the dark. Which seeds grow best? What seeds have trouble growing? Why might this be?