



Make Your Own Mini Greenhouse

Overview:

This lesson will introduce students to the greenhouse effect by allowing them to see the “greenhouse” trap in air and water to help plants grow.

Materials:

- Plastic cups (one should be transparent)
- Seeds
- Soil
- Push pin
- Water



Procedure:

1. With adult supervision, have students poke a hole in the bottom of the non-transparent cup.
2. Have students fill their non-transparent cup almost all the way full with dirt.
3. Place a few seeds at the center of the dirt. Use seeds from a garden if available. If not, use seeds from fruit or seeds found in the kitchen like chia seeds.
4. Have your students tell you what plants need in order to grow (sunlight and water!).
5. Have students water the seeds, but do not overwater them.
6. Place the transparent cup upside down on the non-transparent cup. The transparent cup will trap air and water which will create the greenhouse effect.

Next Generation Science Standards Used:

1-LS1-1: Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.