



# Silly the Seed

## **PLANT, WATER, GROW**

### **OBJECTIVE**

To introduce students to the process of plant growth.

### **SKILLS**

Observation, prediction.

### **MATERIALS**

Lima bean seeds, paper towels, zip lock bag, plastic cups or plastic water bottles, shoebox.

### **PROCEDURE**

#### **Lesson One**

Place seeds on a wet paper towel inside a zip lock bag. Plant the seeds against the sides of clear plastic cups (or the cutout bottoms of plastic water bottles) so the students can view the growing process.

#### **Lesson Two**

Plant five seeds in five different cups. Deprive each seed of one fundamental item it requires: one receives no water, one no light, one is planted in sand so it receives no nourishment, and one is placed in the refrigerator so it gets no heat. Ask students to predict what they think will happen to each seed. The fifth is a "control" cup and receives everything it needs.

#### **Lesson Three**

Grow or buy a bean plant. When it is about five inches tall, get a shoebox and cut pieces of cardboard (from a separate box) in order to make walls that you attach to the inside of the shoebox, forming a maze. Cut a hole at the opposite end of the shoebox, and then place the plant inside the box, far from the hole. Place the lid on top (leaving a way to water the plant) and make sure light enters the shoebox through the hole only. Ideally, the plant will maneuver through the maze and exit the hole at the opposite end.



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