



Time Needed for Activity

60 minutes

Materials Needed

Phone, tablet, or Chromebook

Journal

Pencil

Plastic dishes

Dish soap

Things to remember:

Wear sunscreen

You may want insect repellent

**Elon Explorers Day 5:
See the Bee?**

Today’s science activity: Today, you will manipulate a factor to test whether specific colors attract more or different pollinators. You will make artificial flowers - with red, white, yellow, and blue plastic bowls. You will place the bowls outside, observe the pollinators that visit them, and record data in your data table. We will demonstrate how to set up this experiment during the morning Zoom meeting.

Setting up:

- Find a place outside in the sun and place the bowls 1-2 feet away from each other, like the four corners of a square.
- Leave the bowls for 30 minutes. Then, return to the bowls and write down the following: time of observation, color of bowl, and how many insect pollinators are in each one. Refer to the example data table below to see what your data table should look like. Make one more observation after another 30 minutes.
- When you are finished, you should have 2 observations. See the example data table.
- Add up the total number of each insect found in each bowl color, and write the total in the corresponding box in the data table.
- If no pollinators visit a color, that's also important! Make sure you note that with a zero in your data table.

What gets recorded in your journal, in the data table:

- Observation number
- Time of observation
- Number and types of pollinators that visit each colored bowl during observation
- Total number of pollinators that visited each color (add number in each column)

Here is an example data table:

Observation Number	Time of Observation	Red	White	Yellow	Blue
1	11:30am	2 bees	1 butterfly 2 bees	1 wasp	1 wasp 1 bee
2	12:00pm	1 bees	2 butterflies	2 wasps 2 bees	4 bees
TOTAL		3 bees	3 butterflies 2 bees	2 wasps 2 bees	1 wasp 5 bees

Here is a blank version of the table:

Observation Number	Time of Observation	Red	White	Yellow	Blue
1					
2					
TOTAL					

After you have made all of your observations, enter your data in the data form on the [“See the Bees” \(Day 6\) page](#) on the Elon Explorers website.