

## Seeds- Same/Different

**Materials Needed:** a variety of fruits and vegetables, paper plates, fruit and vegetable pictures, overhead/board

**Directions:** Set up a tray with different fruits and vegetables (apples, cucumbers, oranges, pears, green peppers, and plums).

1. Cut open 1 fruit and 1 vegetable. Ask the students, "What is inside this fruit and this vegetable?" (seeds)
2. Seeds are found in the fruit of the plant. Discuss with the class that a new plant will grow from a seed. Point out the new plant.
3. Cut open the rest of the fruits and vegetables.
4. Place each different seed on a paper plate labeled with a picture of the fruit or vegetable from which seed came.
5. Ask the students to describe each seed by color.
6. Repeat for size (big, small), shape (flat, round), and feel of the covering (smooth, rough).
7. Record answers on overhead/board in chart format.
8. Divide class into teams.
9. Have each team of students work together to sort and classify the seeds examined into the four groupings.
10. Count the number of seeds for each fruit and vegetable that has been observed and make a bar graph.
11. Plant some of the seeds that the class has examined.
12. Have students bring in seeds from different fruits and vegetables.

### **Assessment:**

1. Have students describe ways the seeds are different.
2. Evaluate the effectiveness of students' seed classification systems.