

# Sprouting Seeds

**Grade Levels:**

**K-3**

**Question:**

**How much sun does a seed need to sprout?**

**Possible Hypotheses:**

**A seed needs to have sun all day to sprout.**

**A seed needs just a little sun to sprout.**

**A seed doesn't need the sun to sprout.**

**Materials:**

**Three potting containers with potting soil**

**Packet of pea or bean seeds**

**Water**

**Brown paper bags**

**Procedure:**

1. Plant three seeds in each potting container.
2. Give all pots the same amount of water.
3. Place one pot in a sunny place all day every day for two weeks.
4. Place one pot in a sunny place for an hour a day for two weeks. Cover the pot with a paper bag the rest of the time.
5. Cover one pot with a paper bag all of the time for two weeks.
6. Observe the sprouting seeds.

**Analysis and Conclusion:**

**Which seeds sprouted and grew the best? What did you learn about a seed's need for sun?**

