



# Small Groups: Seed Experiment

## Support: Medium

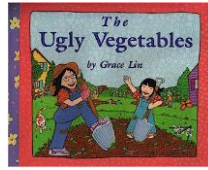
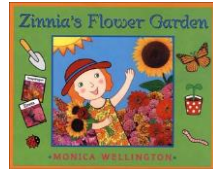
**Standards:**

ELA.SL.CC.PS.1 -2

ATL.EP.PS.1-4

ELA.W.R.PS.1 -2

S.LS.PS.5-6

**Materials:**

- *Zinnia's Flower Garden*
- *The Ugly Vegetables*
- Ziploc bags
- paper towels
- dry lima bean seeds
- science journals or blank books
- bowl
- water
- writing utensils
- magnifying glasses

**Vocabulary:**

- seed
- experiment
- sprout
- garden
- moist

**Preparation:** Set up materials.

**Procedure:****Week 1**

Show illustrations from *Zinnia's Flower Garden* and *The Ugly Vegetables*. Discuss how Zinnia, the girl, and her mother planted seeds in their gardens. Tell children they will conduct an experiment with lima bean seeds. Show materials for experiment. Model/provide visual for setting up experiment. Support children to:

1. Place paper towel in bowl of water.
2. Squeeze out water.
3. Place wet paper towel in front of child.
4. Place lima bean seed in center of paper towel.

Show materials for documenting experiment, i.e., blank book, science journal, template, etc. Give children magnifying glasses. Encourage children to write and draw observations. Provide sentence starters, i.e., *My bean is (small) and white.*

Model/provide visual for remaining steps. Support children to:

1. Wrap bean seed by folding over paper towel.
2. Write name on Ziploc bag.
3. Place wrapped bean seed in Ziploc bag.
4. Seal bag.
5. Place bags in window.

## **Week 2**

Review the Seed Experiment children began in Week 1.

Tell children that today they will unwrap their beans and make observations using magnifying glasses. Support children in using specific vocabulary words, e.g., seed, sprout, roots, etc. to describe what they see. Support children in recording their observations with a picture of their bean in their science journals, paying close attention to detail--color, shape, size, etc. Support children in writing descriptive labels, words, or sentences.

Help children re-wrap their beans in the paper towels, making sure that paper towels are moistened before being put back inside plastic bags.

Encourage children to check their seeds daily and record their observations/predictions/questions. As seeds begin to sprout, discuss what seeds need to grow. Plant sprouted bean seed in soil. Encourage children to care for planted seed and continue recording their observations/predictions/questions.