From Seed to Plant by Gail Gibbons
Family Guide to Read Aloud and Activities

The Lesson:
"From Seed to Plant" by Gail Gibbons tells us how seeds are formed and grow into plants. In this book, we learn how seeds are scattered, how to plant a garden, and the parts of the plant.

The book, “From Seed to Plant”, is enclosed in this activity bag!

Vocabulary:
- **Seed**: contains the beginning of a new plant.
- **Root**: grows down into the soil.
- **Shoot**: new growth on a plant.

Activities:
1. **Literacy**
   a. How to Grow a Bean Activity - **Materials**: book, scissors, glue
   b. Seed Journal Activity - **Materials**: pencils
2. **Science**
   a. Germinate a Seed - **Materials**: Ziploc bag, seed
   b. Plant Diagram Activity - **Materials**: crayons, scissors, glue stick
   c. Seed Scattering - **Materials**: pencil
3. **Math**
   a. Flower Measurement - **Materials**: pencil
4. **Art**
   a. Mosaic Flowers - **Materials**: Tissue paper, glue stick, flower outline
How to Grow a Bean Plant

Name ________________________________

Look at the details from the story on the attached page. Cut and paste them in the correct order on the timeline below.
Seed Journal

Date: ____________
Notes: ____________________________________________
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STEM Activity: Seed Germination

Vocabulary:
- Germination: The process of a plant growing from a seed.

The Lesson:
- Seeds and dried beans and peas contain dormant plants.
- These tiny plants need signals to make them "wake up" and emerge from the seed.
- Germination is the name for the processes the plant goes through in order to sprout from the seed and form leaves.
- Plants need special signals to germinate, including light, air, and water.
- Temperature can also play a role, which is why you don't want to put your seed against a freezing cold window.
- When a plant first sprouts, it gets nutrients from the seed. You can see the seed shrinking as the plant grows.
- As a plant matures, it depends on its roots and leaves to collect the energy it needs.
- Once it reaches a certain size and uses up the nutrients in the seed, your window sprout will have to be transplanted into soil to survive.

Set Up:
Gather materials: paper towels, sandwich size ziploc bag, water, seeds.

The Activity:
1. Fold a paper towel so it will fit inside a sandwich size ziploc bag.
2. Soak the paper towel in water and slide into the bag.
3. Place the seeds near the bottom of the bag.
4. Seal the bag and lay near a window to make sure the seed gets all the sunlight it needs to grow.
Plant Diagram

Directions: Cut and paste each word in the correct place on the diagram.

- petal
- stamen
- stem
- sepal
- ovules
- pistil
- stigma
- pollen

Name __________________________
# Scattering Seeds

Explain the different ways seeds are scattered.

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<th>Animals</th>
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**Name**

**Date**
Using a pencil or crayon, color the ruler to find the measurement of each flower. Write each answer on the line above the flower.
Mosaic Flowers

Materials:

- Tissue paper
- Glue
- Flower Outline

Instructions:

- Tear tissue paper into small pieces
- Glue pieces of tissue paper onto flower outline (use any colors or designs you want!)
- Cut out flower shape