**Grade 1**

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| **Subject** | Science – Structure of a Plant |
| **Grade** | 1 |
| **CCSS** | Structure and Function. All organisms have external parts. Different animals use their body parts in different ways to see, hear, grasp objects, protect themselves, move from place to place, and seek, find, and take in food, water and air. Plants also have different parts (roots, stems, leaves, flowers, fruits) that help them survive and grow. (1-LS1-1) |
| **Learning Target** | Students will be able to determine the parts of a plant. |
| **Rationale** | Organisms are made of parts that come together to form a whole. Each part plays a special role in the survival and growth of the plant. |
| **Tasks** | **Guided Inquiry:** Imagine if you could create your own plant. Have each student draw it out. Discuss repeating patterns and structures in student diagrams. Have students hold onto their plant, as they will be used at the end of the lesson.**Mini Lesson**: Watch “Let’s Talk Farm Talk: Pumpkins” and look for different parts of the pumpkin plant.Discuss the different parts of a plant:1. Roots: Roots hold onto the soil, anchoring the plant into the ground and giving it a strong base.
2. Stem: The stem is the strong, central structure of a plant. The other plant parts grow off of it.
3. Leaves: Leaves make food for the plant through photosynthesis.
4. Flowers: Flowers hold the pollen and other parts of the plant that allow for pollination
5. Seeds: The seeds of the plant grow after pollination occurs. The seeds allow for more of that plant to grow in the future.

**Formative Assessment:**Complete the “Imagination Plant” worksheet based on the plant that the student created during the guided inquiry part of this lesson. |
| **Extension Question** | Do all plants have flowers and seeds? |
| **Materials** | Markers/crayons“Imagination Plant” worksheet Structure of a Plant slide deck |