

Unit 6



Week 5

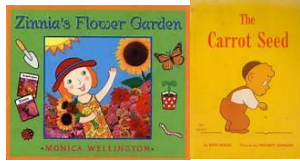
### Outdoor Learning Opportunities:

Flower Parts & Parts of a Seed

Standards:

S.LS.PS.1

CA.MD.PS.3



#### Materials:

- Parts of a seed made out of felt (seed coat, cotyledon, embryo)
- Lima beans
- Container filled with water
- Pictures of flowers and parts of a plant
- Book – *The Carrot Seed* by Ruth Krauss

#### Vocabulary:

- Seed coat
- Cotyledon
- Embryo
- Roots
- Stem
- Leaf
- Petals

Soak lima beans in water overnight. Read *The Carrot Seed* and discuss the characteristics and part of a seed. Use the felt pieces (two brown pieces for the seed coat, one tan piece in the middle of the two brown pieces for the cotyledon, and a small green plant in the center for the embryo). Have the children take a soaking lima bean apart to find all of these pieces (the outer seed coat, the middle cotyledon or food for the seed and the small little plant hiding inside or embryo). Show pictures of the stages of development of the seed showing the seed moving up through the ground and the roots growing down, then the stem growing up, and a leaf coming out of the stem until the flower emerges with petals at the top.

Extension: Sing and act out the Billy B. Song – “Yippee, Hooray!” with modification to become a flower instead of a tree.

Wet ground! Warm sun! [*children rolled up on floor*]

My life as a flower has just begun.

I'm so sure, I have no doubts,

Because my shell has cracked, and I have a sprout!

It's growing up, and growing out, [*children start to stand up*]

It's growing up, and growing out!

Yippee, hooray, I have a sprout! [*children jump up and extend arms in the air*]

Yippee, hooray, I am a sprout!

Yippee, hooray, I have a sprout!

Yippee, hooray, I am a sprout!

***Guiding Questions:***

- What are the parts of a seed?
- Can you find them in the lima bean?
- What are the parts of a plant as the seed grows? What does each part do for the plant?