



WEEK 6 Day

Discovery: Transplanting the Bean Plants

Children transplant their bean seedlings and continue to observe the plant growth over the course of the Unit.

Big Ideas	Plants grow and change over time. They need light, water, and air to live and grow.
Guiding Question	How do plants grow and change over time? What do plants need to survive?
Vocabulary	<p>seedling: a seed that has sprouted</p> <p>transplant: to replant one seedling or plant in a new place</p>
Materials and Preparation	<ul style="list-style-type: none"> ● beans in ziplock bags, from Week 4 ● children’s observational drawings, from Week 4 ● blank paper ● writing and drawing tools ● soil, enough to fill each child’s plant container Put the soil in an open container (large bowl, old yogurt container, etc.) so it is easy for the children to scoop. ● containers for planting, such as cups, yogurt cups, pots, 1 per child ● spray bottle Fill the bottle with water. ● large trays to place under the containers, 3-4 ● plastic spoons or scoops, enough for a small group ● gloves, optional Some children might find it easier to work with soil while wearing gloves. ● popsicle/craft sticks, 1 per child Sticks are for labeling the type of seed. ● thin markers, 1 per small group

	<p>Label 1 craft stick with "bean. Bring this to the Intro to Centers.</p> <p>Decide the best place to house the plants. Identify a place with adequate sunlight and an area that is low enough for children to see their plants. Children will be writing, therefore, provide additional writing space such as another table, shelf top, or clipboards.</p> <p>Bring the following to the whole group meeting area for the Intro to Centers: beans in ziplock bags, materials to model planting one seed, 1 child's observational drawing, craft stick</p>
<p>Intro to centers</p>	<p><i>Can you believe how much our bean seeds have changed over the last couple of weeks? Take a look! They are now seedlings!</i></p> <p>Provide time for children to share their observations. Make connections to the mini gardens.</p> <p><i>This week, we will transplant, or replant, our bean seedlings from the ziplock bag to a cup. It will be a similar process to planting our mini gardens. Rather than planting seeds, we will plant seedlings. We will need to work extremely carefully with the seedlings. First, we will need to scoop our soil into a cup and moisten it.</i></p> <p>Model how to transplant the seeds. Show children how to scoop soil into the cup and moisten the soil using the spray bottle. Make a hole in the soil. Carefully remove the bean seedling from the baggie and place in the hole, with the stem facing up. Move the soil to cover the seedling and press the soil gently around the stem. Place the craft stick label in.</p> <p><i>Again, as scientists, what do we need to do?</i></p> <p><i>Don't forget to record your observations.</i></p> <p>Model drawing a quick sketch of the plant.</p>
<p>During Centers</p>	<p>Children transplant their bean seeds individually. Children scoop soil into a cup and moisten the soil using the spray bottle. They make a hole in the soil and carefully remove the bean seedling from the baggie. They place the seedling in the hole, with the stem facing up. Support children to cover the seedling with soil and press the soil gently around the stem. Remind children to work slowly and carefully.</p> <p>After planting their seeds, children make a label with a craft stick. Then they sketch their observations on blank paper.</p> <p>In the subsequent days, support children with watering their plants during Centers.</p>
<p>Facilitation</p>	<ul style="list-style-type: none"> ● What do you notice about these seedlings? ● What do the seeds need to survive and grow?

	<ul style="list-style-type: none">• How will you care for your plant?• How much water will you add? How will you know when your plant needs more water?
Standards	<p>SL.1.K.a Participate in collaborative conversations about kindergarten topics and texts with peers, and adults in small and larger groups.</p> <p>SL.3.K.b Add drawings or other visual displays to descriptions as desired to provide additional detail.</p> <p>VA.K.V.Cr.01 BOSTON - Generate and conceptualize artistic ideas and work. Experiment with a wide variety of both two- and three-dimensional materials, including recycled/repurposed ones after looking at images from several artists who use those materials.</p>

Notes