

ACTIVITY 6

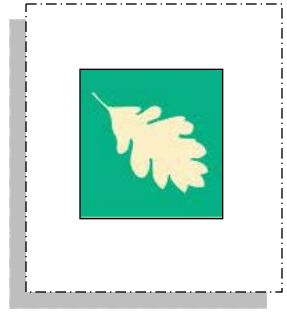
Root View Planter

**INTENT:**

Engage with fellow participants and experience life sciences by building a root view planter.

OUTCOMES:

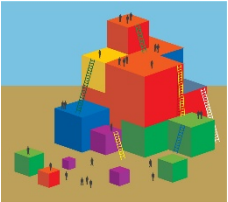
- Participants will watch a YouTube clip on how to build a root view planter.
- Participants will build their own root viewer.
- Participants will compose questions to facilitate discussion about the life sciences foundations while building their root viewer.

**MATERIALS REQUIRED:**

- PPT slide
- Dirt, seeds, pot, water (for each participant)
- Tablemates
- YouTube clip from Life Lab
- Paper
- Clear plastic cups
- Scissors (one pair per table)
- 3 x 5 cards with foundations and ages written on them



TIME: 15 minutes

**PROCESS:****Part 1** (10 minutes)

- Introduce the idea of a root viewer by prompting thinking about how to make “growing and transformations” more visual and concrete.
- Explain that a root viewer is one way to specifically support vocabulary development for English learners because of the visibly growing roots.
- Show the Life Lab tutorial on how to make a root viewer.
- Pass out the materials and invite participants to make their own root view planter.

Part 2 (5 minutes)

- (While participants are working) Pass out 3 x 5 cards with the foundation numbers and age ranges listed (i.e., 1.2, 48; 1.2, 60). Give one 3 x 5 card to each person/pair.
- Ask participants to think about how to facilitate conversations around their foundation, specifically focusing on their age range. Question prompts are on the PPT slide.

Debrief:

- Ask participants the following questions: What were some main differences you noticed in the types of questions being asked? What were some differences between foundations? What were some differences between age ranges?

NOTE: The root viewer provides a concrete example for growth as you can see it changing. It also provides an opportunity to discuss habitats, the different characteristics of plants, and the basic needs of plants to stay alive. Therefore, all foundations could potentially be addressed with variations in conversation about the root viewer.