

Lesson Eight: Tasting Lab Planning (50 min)

Driving Question: How do the land and weather in our state help plants grow?
Can we grow healthy food using just water and nutrients?

Vocabulary:

advertisement

Materials:

- Assembled Aquatree[®] Garden
- Plain white paper
- Poster boards
- Crayons or markers

Resources:

- Seed to Salad Lab Books

Plant the Seed (warm-up):

1. Have students take out their **Seed to Salad Lab Book**. Give each student a few minutes to go to **Aquatree[®] Garden** and the seeds planted in soil. At each station, the students should record their measurements and observations in their Lab Book.
2. While students are waiting for their turn to observe the **Aquatree[®] Garden**, have others gather the work they have completed in the **Seed to Salad Lab Book** to use to begin working on their advertising flyer and presentation for the Tasting Lab.

Grow Time (lesson):

1. Explain that today they will begin making a flyer to hand out to family, friends or neighbors to advertise their tasting lab which will be on Day 10.
2. Discuss with students what makes a successful advertisement, and make a list on the board of the information they should include on their flyers. Find time in the day to have

students share the flyers with friends, family and neighbors. (See Lesson 10 for more information on the Tasting Lab.)

3. Next, discuss what each group needs to do for their Day 10 Tasting Lab presentation. The presentation should include:
 - a. A poster board that showcases the following:
 - i. What hydroponic gardening is and how it's advantageous
 - ii. The type of microgreens they grew
 - iii. Nutritional information for the microgreens and why they are healthy for you
 - b. State posters (from Lessons 4 & 5)
 - c. An oral presentation
4. Give students time to begin working on their flyers and poster boards.
 - a. Flyer
 - b. Microgreens display
 - c. State map
 - d. Create the hydroponic garden and nutrition poster
5. Help students create the poster listing their assigned microgreens' nutritional ingredients by giving them the bag of seeds from Aquatree® to copy the nutrients on a blank sheet of paper.

Food for Thought (reflection/assessment):

1. In the students' **Seed to Salad Lab Books**, they will answer the question. ***How much did your microgreens grow from Day 4 to Day 8?*** (Note: The days may need to be changed to accommodate the rate of growth so that there is enough difference for the students to calculate.