

Agenda for Tuesday, November 3rd 2015

Agenda	Homework
1. Sharing Hypotheses (SDRO H4) 2. Fast Plant Data (SDRO H2)	- Read "Teaching the Hypothesis" by Dr. Strode. Link is on 7bscience.com. - Revise your hypothesis as needed.

Which NGSS practices, DCIs, and CCs are we meeting?

Science and Engineering Practices

- Develop and use a model to describe phenomena and unobservable mechanisms.
- Conduct an investigation to produce data to serve as the basis of evidence that meet the goals of an investigation.
- Use an oral and written argument supported by evidence to support or refute an explanation or a model for a phenomenon.

Disciplinary Core Ideas

- LS1.A: All organisms are made of a cell or many cells; cells have parts that carry out functions
- LS1.B: All organisms grow, develop, and reproduce.

Crosscutting Concepts

- Cause and effect
- Structure and Function

Why are we doing this?

Today we need to share our hypotheses as a general check in to see how we are doing. We can look at each others' hypotheses to improve our own.

This is a continuation of SDRO lesson 2. You are collecting Fast Plant data to understand the life cycle of the plant.

Today's Procedure

Part 1: Sharing Hypotheses

1. Open handout 23 and complete any data collection you need.
2. Answer all post-lab questions.

Part 2: Fast Plant Data

1. Open SDRO handout 2 (Fast Plant Tracking Sheet) in Notability.
2. Divide and conquer: one person get the fast plants, one person get your table's nutrient solution, one person get the graduated cylinder, and one person get the ruler.
3. Measure the volume of the remaining nutrient solution in your Fast Plant system. Record this in the correct space on SDRO handout 2.
4. Refill your Fast Plant system with a total of 250mL of nutrient solution.
5. Collect and record data about your Fast Plants.

6. Take pictures of your Fast Plants.
7. Clean up:
 - a. return the Fast Plants to the correct light box and to the correct side,
 - b. return the nutrient solution to the correct spot,
 - c. return the graduated cylinder to the drying rack,
 - d. return to the ruler to the drawer.
8. Close the screen on the Fast Plant box when you are done.

I finished early, now what?

1. Begin/continue reading Dr. Strode's article.