Sarah
The Magnificent Melons

Hey
*Make sure you date every entry. Explain in detail what your group did. Record qualitative (physical descriptions/ adjectives) and quantitative (# of plants, heights, - things that can be counted) observations.

Talk to your mentors to see if you should record individual plant growth (how will you tell which plant is which?) or if it is acceptable to measure all of them and record average plant growth. I've set up a sample data table below for you to enter data into.

3/29/17

Today we started planting.We have six pots. Control #1 (radish), control #2 (corn), control #3 (mung bean), experimental #1 (radish and corn), experimental #2 (radish and mung bean), and experimental #3 (corn and mung bean). We planted the three seeds equally apart in each pot. Finally, we watered the plants with 20 ml. Per seed and planted each seed 1 in. deep.

3/30/17

Today we watered our plants with 20ml. of water. When we checked our plants we saw what we think are two small plants sprouting from the experimental #2 (radish and mung bean) pot. We are not sure if they are plants our just grass because for our soil we used a mixture of potting soil and local dirt which contained some grass. We think that they are the plants sprouting because the grass looks green and new.

3/31/17

Today the corn and mung pot had one plant that was 1.5cm. None of the other pot had any plants growing yet. We watered the plants with 20ml. of water per plant. The soil is moist and the plants growing is green and looks well developed which is what we are trying to see in the experimental plants.

4/3/17

The radish and corns plants are 5 cm. The average of radish and mung bean plants are 3.5cm. The other plants are just growing grass.The pot with the most grass growing is the the corn and mung bean. We also gave the soil 20ml. As usual. The grass that is growing is separating at the top. The plants growing are green with buds on the top.

4/4/17

The mung bean control plant is the only control plant that is growing so far. The corn and mung bean experimental plants are curled over and have a white bud. The other experimental plants are growing straight up with a green bud at the top.

4/5/17

The experimental plant (corn and mung bean) has two plants growing. They are short and curled over. The the bud at the top of the plants has two leaves coming out of it. The experimental (radish and mung bean) has 3 plants. Two of them are long and straight with two leaves. The experimental (radish and corn) have two long straight plants. The control (mung bean) has three plants that are like the corn and mung bean. We noticed that we didn't have much soil so we asked our mentor if we should add more.

4/6/17

Today we planted our control plants because they were not growing well. The soil was to moist and there was grass growing up from the soil because we used local dirt. We also added soil to all of them making the measurements smaller than yesterday. We didn't water them today because the new soil was moist. One of the pants in the radish and mung bean there is one straight plant with the leaves on the top and right next to it was a plant that had a bud with a leave coming out of it.The corn and mung bean plants have buds on them with the leaves coming out.

4/7/17

Today we presented our research question, predictions, and experimental design to the class today. We did not water today because our soil was still very moist. We measured our plants and had more growth. Our plants are looking greener due to not over watering them.

4/10/17

Today we had growth in most of the plants except corn which has not yet grown since we replanted it. The average for the radish and corn went down because we started to average in new plants that are starting to grow. The experimental radish and corn plants are bending over like they are dying.The other growing plants are green and have two leaves.

4/12/17

The corn has just started growing since we replanted it. One of the radish and corn plants is bending over. We did not water again today because the sol was too moist.The experimental radish and mung bean and the experimental corn and mung bean plants are tall and green with two leaves.

4/14/17

The experimental radish and corn measurements went down because one of them died. One of the corn and mung bean plants is not completely dead but the tip is hanging over. We did not average that one into the measurements. We watered the plants with 30 ml of water, 10 ml per seed. We decreased the water because we realized that the amount of water we were giving was too much and was flooding the plants which caused us to replant them last week. The plants still look green.

4/17/17

Today some of our measurements went down again due to some of the plants that died and we are not averaging in to the measurements. The control corn has three plants that are sticking straight up.One of the experimental corn and mung bean plants have two big leaves. One of these plats tip is dead. The experimental radish and mung bean has grass growing. The experimental radish and corn does not have much growing. The control has three plants with two small leaves on each.

Data Table

Date	Control (radish) growth (average)	Control (corn) Growth (average)	Control (mung bean) growth (average)	Experimental (radish and corn) growth (average)	Experimental (radish and mung bean) growth (average)	Experimental (corn and mung bean) Growth (average)
3/29/17	0 cm.	0 cm.	0 cm.	0 cm.	0 cm.	0 cm.
3/30/17	0 cm.	0 cm.	0 cm.	0 cm.	0 cm.	0 cm.

3/31/17	0 cm.	0 cm.	0 cm.	0 cm.	0 cm.	0 cm.
4/3/17	0 cm.	0 cm.	0 cm.	5 cm.	3.5 cm.	0 cm.
4/4/17	0 cm.	0 cm.	0.76 cm.	7.3 cm.	5.6 cm	1.3 cm.
4/5/17	0 cm.	0 cm.	1 cm.	8.75 cm.	6.5 cm.	2.75 cm.
4/6/17	0 cm.	0 cm.	0 cm.	7 cm.	5 cm.	2 cm.
4/7/17	0 cm.	0 cm.	3 cm.	8 cm.	6 cm.	7 cm.
4/10/17	2 cm.	0 cm.	6 cm.	2.1 cm.	7.8 cm.	12 cm.
4/12/17	8.16 cm.	1 cm.	6.6 cm.	6.9 cm.	9.5 cm.	14.25 cm.
4/14/17	10.3 cm.	3 cm.	7 cm.	2 cm.	10 cm.	14.5 cm.
4/17/17	10.3 cm.	5.5 cm.	5 cm.	2 cm.	9.5 cm.	15 cm.