

Plant Growth and Heredity Lab



- In this lab, you will work with a partner
- You will plant Brassica Rapa seeds – fast plants
- <http://www.fastplants.org/index.php>
- We will create a table as a class using laptops and MS Word.
- Over time, you will measure leaf sizes or length, stem length, when plant flowers, you will pollinate your flowers, and record when the plant produces seeds.
- Your parent plant will produce seeds for the next generation of Brassica Rapa plants.

Procedures

- Toothpick and tape, label with your name and make a flag.
- Take 3 Brassica Rapa seeds and place them in the hole in the growth chamber.
- Fill the hole with soil and press down so the soil is tight.
- Place three fertilizer pellets on top of the growth chamber around the sides of the hole.
- Saturate with water from the beakers at the growing station

Procedures continued

- Measure the length of the stems of your plants in mm. Add up and take average – record in table.
- Measure the length of all the leaves in mm. Add up and take average – record in the data table.
- Record your observations for the specific day – what all parts of the plant look like, and what are some of the factors causing growth.