

Prep Time, Supply List, and Total Lesson Time

Prep Time:

We recommend 30-45 minutes depending on your expertise level with the content. Each module will vary depending on your previous experience with the content and technology.

Materials:

Each student will need

- their laboratory notebook and observation table along with access to their group's petri dishes.

Each group will need

- a ruler
- a calculator
- forceps (to handle seeds and sprouts)
- magnifying glass

You will need

- to identify two or three student examples from responses to the first homework question located in your online collaborative tool.
- to provide students with access to their petri dishes so they are able to conduct their observations.
- to provide support to the student groups as they work on analyzing their observation data.

Total Lesson Time:

Lesson Activity	Amount of Time in Class
Guided Discussion: Catechin Effects by Time Course: Small Doses vs. Supplement	5 Minutes
Group Activity: Collecting Data and Observations	10 Minutes
Group Activity: Data Analysis and Interpretation	20 Minutes
Guided Discussion: What Were the Results of the Experiment?	10 Minutes
Guided Discussion: What is the Next Experiment?	10 Minutes
Group Activity: How Could You Extend or Improve the Experimental System	10 Minutes
Total Time	65 Minutes