

Tomatosphere Experiment: The Way to Get Started!

- Teachers this page will help you get started with the Tomatosphere project.

Before You Begin the Tomatosphere Project Please Read the information here [here](#)

- Start the class by discussing the following important vocabulary words.

Germination: Is the process in which the seed first appears above the soil as a plant

Cotyledons: Are within the seeds that form the first leaves when the plant germinates

Observations: Using your senses to pay close attention to details

Data Collection: Is the process of organizing information about something you observe

Microgravity: Is when there is only a very small amount of gravity so that all things float

Solar radiation: Is the energy that comes from the sun's sunlight and heat

Hypothesis: Is an educated guess you make about what you think the results will be

Variables: Are the part of an experiment that can be changed

- After discussing the vocabulary words click [here](#) for ***Discussion Question Worksheet***
- Now you are ready to do the Tomatosphere Project and help NASA learn more about growing plants in space. Please click [here](#) for the ***Tomatosphere Investigation Station***
- Helpful information about ***Collecting and Recording Data*** is found [here](#)

*****You can break this into groups and each group can show the data in different ways.

Other Terrific Links to Resources about Plants in Space

<https://nasahunchacademy.com/project/1>

<https://nasaclips.arc.nasa.gov/video/ourworld/our-world-systems-to-grow-plants-in-space>