



Tomatosphere Skills



Space Science Project Sponsored By:

Canadian Space Agency, Agriculture and Agri-food Canada, H.J. Heinz Company of Canada Ltd, HeinzSeed, Centre for Research in Earth and Space Technology (CRESTech), the University of Guelph, NASA

Examples of Project Skills included:

Language Arts

- Reading and responding to articles.
- Researching information about the planet Mars (newspaper articles, Internet, library books).
- Vocabulary extension.
- Keeping a plant growth journal.
- Creating a sequenced flow chart on how to construct and maintain a watering system.
- Considering the parallels of successful plant growth and Jesus' parable of the 4 soils in Luke 8.

Science

- Following the scientific method to conduct an experiment.
- Planting seeds, repotting plants, caring for plants.
- Making observations and keeping a record of seed germination and plant growth.
- Acquiring information about plants (e.g. structure, germination, growth).
- Acquiring information about Mars.
- Following the current events of the Mars land rovers (Spirit and Opportunity).
- Setting up and maintaining a planting station including a self-watering system.
- Studying the career and needs of astronauts.

Math

- Collecting, comparing and calculating data on daily plant germination and growth rates, averages and percentages.
- Taking data collected and transferring it into a data table, column and line graphs.
- Critical thinking.

Art

- Creating a booklet title page to represent Tomatosphere.
- Creating a pictorial collage with digital pictures.

Word Processing and Spreadsheet Skills:

- Using a draw toolbar to create a flow chart.
- Inserting and editing digital pictures and Internet pictures.
- Adding headers, footers and bullets.
- Editing line graphs.
- Writing formulas to calculate percentages and averages.

Parent Signature _____