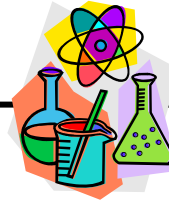


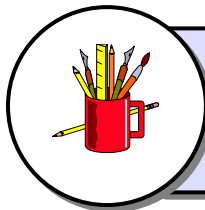
# Grade 9 Unit E: Space Exploration



## Space Issues and Opportunities

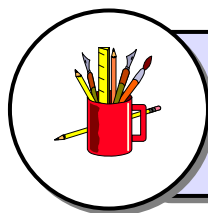
1. Before you begin, review [Solving Societal Problems](#) and [Issue Analysis](#). Research and discuss the following and other issues about space travel:

- dumping of mission garbage into space
- dumping of mission garbage into the Pacific Ocean
- use of fuel and other natural resources
- paying for space exploration and technologies.

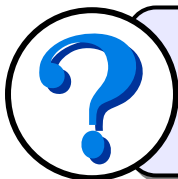


Use Tools [My Position on an Issue](#), [Analyzing an Issue](#) and [Preparing to Share an Opinion](#).

2. Research a Canadian astronaut and prepare a presentation on his or her life and career. Include training, experience and current activities. See [Steps for Getting Started with Research](#) and other documents in the research section of English Language Arts for help.



Use Tools [KWL Chart](#) and [Thinking About Form for Presentations](#).



### Did You Know?

A tiny speck of paint that chipped off a satellite in space and was left to orbit the Earth dug a pit in a space shuttle window nearly 2 cm long!

- Investigate and describe other Canadian contributions to space research; e.g., the Canadarm, the Hubble telescope.
- With a group, investigate, discuss and identify issues that affect decisions regarding space exploration and development. Fill in the chart below based on your group discussion.

<b>Political Issues</b>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<b>Environmental Issues</b>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<b>Ethical Issues</b>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>