

Date: _____

Name: _____

Solar System Story

This activity was created by Gagan.

Roberta Bondar, Canada's first female astronaut is returning to space and needs your help! Using the coding blocks on the next page, correctly fill in the blanks and help Bondar complete her mission.

Mission

Currently, there are artificial satellites orbiting the Earth. These satellites are used for . The first satellite launched was . There are also various telescopes in space, most notably being the Hubble Telescope. This telescope pictures some of the . This telescope is broken and needs to be fixed.

Basic Needs and Equipment

Before going into space, Bondar needs to have the appropriate equipment. The temperature in space, near Earth's atmosphere, is and in spaces between stars in the galaxies, known as the interstellar region. Bondar needs to wear a to ensure she stays warm and protected from the sun's UV rays. Because space is considered a there are no gases, including oxygen. Space crafts need to have their own supply of oxygen and . Finally, astronauts also need food and add water to eat it.

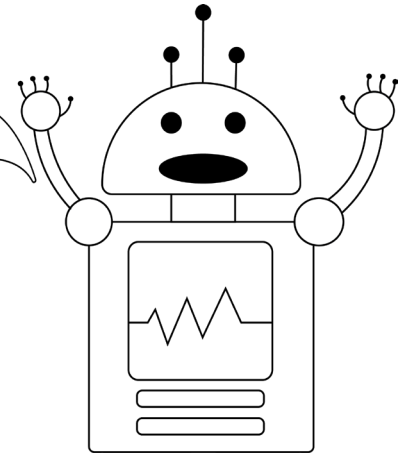
Getting to Space

After there is enough fuel in the rocket the system can be used for lift off. This system makes up the majority of the rocket. Sitting in the , the rocket is propelled up using a force making its way through the Earth atmosphere and into space. The can be used to tell her where to go. Once in space, Bonard can use the to help her position herself in space, capture, repair, and move the Hubble telescope!

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Using coding blocks is a common way to learn coding! You can simply drag and drop the blocks in order to write the code! Can you cut out these “coding” blocks and glue them in place to finish writing the story?



guidance system

freeze
dried

thrust

-270.15°

propulsion

kerosene

spacesuit

vacuum

payload

Canadarm

2218

nitrogen

communication, space exploration,
weather, navigation, surveillance

furthest galaxies

Sputnik 1

10.17°

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