

**Space Station Design Part 3**      **Grade 9 Applied – Space Exploration**

## Superb Space Stations - Plan

Assessment worksheet  
 Cross-curricular

In order to survive for 6 years on a far away planet or moon you'll need to plan your space station very carefully. Your astronauts will need many things to keep them alive in the harsh conditions of your planet or moon. Describe below, using pictures, diagrams, and words, how you will meet each of the needs. Make sure to remember the specific properties (ex. temperature) of your planet or moon!

Name: \_\_\_\_\_ Planet or moon: \_\_\_\_\_

Astronaut Need	How you will provide for this need (be specific)
<b>Food</b>	
<b>Water</b>	

<b>Health (both emergency and regular health)</b>	
<b>Communications back to Earth</b>	
<b>Electricity</b>	
<b>Lighting</b>	
<b>Sleeping</b>	

<b>Staying the proper temperature in the space station</b>	
<b>How will you make going outside the space station safe?</b>	
<b>Staying the proper temperature when going outside the space station</b>	

<p><b>How will you move around on the planet's surface?</b></p>	
<p><b>How will you keep your astronauts from getting bored?</b></p>	
<p><b>What special rules will you have that the astronauts must follow? (ex. Will relationships be allowed? Will they get days off? Are they allowed to go outside for fun? How will you resolve conflicts?)</b></p>	

# Astronaut Roster

Your space station will be home to 6 astronauts total. You and your group members will take up the first few spots.

1. Add you and your group members with the job of Group Leader as well as any other special training or expertise that you have.
2. For any remaining spots, add an astronaut with a particular job or skill set that you think will be important to have on your 6 year space mission.

<b>Astronaut #</b>	<b>Jobs, Training, or Expertise (ex. Botanist)</b>
1	
2	
3	
4	
5	
6	