












Teachers' Guide: Student Job Descriptions

Team Name	Description	Student Placement Tips	Career Connections
Biology (BIO) 	Responsible for conducting experiments and collecting data to investigate lung conditions that can occur due to radiation exposure.	Students on this team should feel comfortable working on collaborative experiments and making quick decisions based on results.	<ul style="list-style-type: none"> ● Biologist ● Epidemiologist ● Physiologist ● Lab Technician
Robotics (BOT) 	Responsible for programming instruments for the ROV and using a robotic arm to test and deploy a solar panel.	Students on this team should feel comfortable troubleshooting/ problem solving and working with their peers to share and analyze data.	<ul style="list-style-type: none"> ● Electrical Engineer ● Computer Programmer ● Systems Technician
Geology (GEO) 	Responsible for conducting experiments with rocks and minerals and analyzing the physical features of the landing sites on the Moon.	Students on this team should feel comfortable collecting and analyzing data with their peers and enjoy experimenting to reveal data.	<ul style="list-style-type: none"> ● Geologist ● Chemical Engineer ● Seismologist ● Land Surveyor

<p>Life Support (LS)</p> 	<p>Responsible for conducting experiments and troubleshooting the systems on the Spacecraft to ensure the environment is safe for the crew during the flight.</p>	<p>Students on this team should feel comfortable communicating verbally with their peers to solve problems and enjoy troubleshooting ideas to come to a solution.</p>	<ul style="list-style-type: none"> ● Environmental Engineer ● Chemist ● Systems Technician
<p>Medical (MED)</p> 	<p>Responsible for monitoring vitamin levels and conducting wellness exams on the crew to ensure their health and safety.</p>	<p>Students on this team should feel comfortable interacting and conducting experiments with their peers.</p>	<ul style="list-style-type: none"> ● Nurse or Doctor ● Emergency Medical Technician (EMT) ● Nutritionist ● Medical Assistant
<p>Navigation (NAV)</p> 	<p>Responsible for calculating and plotting the Spacecraft's course to the Moon and back to Earth.</p>	<p>Students on this team should feel comfortable reading aloud, have strong communication skills, and are able to pay close attention to written and oral details.</p>	<ul style="list-style-type: none"> ● Pilot ● Aerospace Engineer ● Mathematician ● Air Traffic Controller

<p>Communications (COM)</p> 	<p>Responsible for communicating messages between the Spacecraft and Mission Control and communicating critical messages to crew members throughout the mission.</p>	<p>Students on this team should feel comfortable reading aloud, following quick directives and answering questions orally.</p>	<ul style="list-style-type: none"> ● Communication Engineer ● Satellite Engineer ● Systems Technician
<p>Rover (ROV)</p> 	<p>Responsible for designing and assembling a Remotely Operated Vehicle that is launched to the surface of the Moon to search for lava tubes.</p>	<p>Students on this team should feel comfortable with troubleshooting and problem solving with lab materials and enjoy collaborating with peers.</p>	<ul style="list-style-type: none"> ● Computer Scientist ● Mechanical Engineer ● Structural Engineer
<p>Weather (WX)</p> 	<p>Responsible for researching and learning about solar energy and conducting experiments to ensure the spacecraft has enough solar power.</p>	<p>Students on this team should feel comfortable collecting and analyzing data, and making quick decisions based on results.</p>	<ul style="list-style-type: none"> ● Meteorologist ● Electrical Engineer ● Astronomer