












Teachers' Guide: Student Job Descriptions

Team Name	Description	Student Placement Tips	Career Connections
Biology (BIO) 	Responsible for conducting experiments and collecting data on microorganisms and space radiation.	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 ● Environmental researcher ● Botanist
Robotics (BOT) 	Responsible for using the robotic arm to conduct experiments and code programs for rover tasks.	Students on this team should feel comfortable with troubleshooting, problem solving, and working with their peers to share and analyze data.	<ul style="list-style-type: none"> ● Mechanical Engineer ● Software Engineer
Geology (GEO) 	Responsible for conducting experiments with rocks and minerals.	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 ● Environmental Engineer

<p>Life Support (LS)</p> 	<p>Responsible for maintaining the life support systems on the spacecraft.</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"> ● Engineering design ● Hands-on experiments
<p>Medical (MED)</p> 	<p>Responsible for conducting medical tests on the crew to ensure their health and safety.</p>	<p>Students on this team should feel comfortable interacting with and conducting experiments with their peers.</p>	<ul style="list-style-type: none"> ● Nurse or Doctor ● Emergency Medical Technician (EMT) ● Nutritionist
<p>Navigation (NAV)</p> 	<p>Responsible for commanding the spacecraft and adjusting the orbit.</p>	<p>Students on this team should feel comfortable reading aloud, have strong communication skills, and have the ability to pay close attention to written and oral details.</p>	<ul style="list-style-type: none"> ● Pilot ● Aerospace Engineer ● Mathematician

<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 Systems Engineer ● Information technologist
<p>Rover (ROV)</p> 	<p>Responsible for troubleshooting and assembling the rover.</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
<p>Weather (WX)</p> 	<p>Responsible for researching solar weather using telescopes to capture images of long-period comets.</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 ● Astronomer