



## Crew Member Job Application



### Crew Member Data

First Name and Last Name:

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Date:

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### Welcome crew member!

Before your visit to Challenger Learning Center, you will need to apply for a specific job in the mission.

Read the chart on the following pages to learn more about all of the jobs needed to complete a mission.

In the “Am I Interested?” column, put a checkmark or an “x” if this job sounds exciting to you.

Then, rank your top 3 choices, and explain why you think you would be a good candidate for the job.



## Operation Comet Jobs

Team Name	Job Description	Areas of Interest	Career Connections	Am I Interested?
Biology (BIO)	Responsible for conducting experiments and collecting data on microorganisms and space radiation.	<ul style="list-style-type: none"> <li>Environmental science</li> <li>Life sciences (plants, animals, organisms)</li> </ul>	<ul style="list-style-type: none"> <li>Biologist</li> <li>Environmental researcher</li> <li>Botanist</li> </ul>	
Robotics (BOT)	Responsible for using the robotic arm to conduct experiments and code programs for rover tasks.	<ul style="list-style-type: none"> <li>Engineering design</li> <li>Problem-solving and troubleshooting</li> </ul>	<ul style="list-style-type: none"> <li>Mechanical Engineer</li> <li>Software Engineer</li> </ul>	
Geology (GEO)	Responsible for conducting experiments with rocks and minerals.	<ul style="list-style-type: none"> <li>Geology (rocks and minerals)</li> <li>Physical features of rocks and minerals</li> </ul>	<ul style="list-style-type: none"> <li>Geologist</li> <li>Environmental engineer</li> </ul>	
Life Support (LS)	Responsible for maintaining the life support systems on the spacecraft.	<ul style="list-style-type: none"> <li>Engineering design</li> <li>Hands-on experiments</li> </ul>	<ul style="list-style-type: none"> <li>Industrial or Systems Engineer</li> <li>Chemist</li> </ul>	

<b>Medical (MED)</b>	Responsible for conducting medical tests on the crew to ensure their health and safety.	<ul style="list-style-type: none"> <li>● Human anatomy and physiology</li> <li>● Nutrition, exercise, and health</li> </ul>	<ul style="list-style-type: none"> <li>● Nurse or Doctor</li> <li>● Emergency Medical Technician (EMT)</li> <li>● Nutritionist</li> </ul>	
<b>Navigation (NAV)</b>	Responsible for commanding the spacecraft and adjusting the orbit.	<ul style="list-style-type: none"> <li>● Flight paths and orbits of celestial bodies.</li> <li>● Space debris</li> </ul>	<ul style="list-style-type: none"> <li>● Pilot</li> <li>● Aerospace Engineer</li> <li>● Mathematician</li> </ul>	
<b>Communications (COM)</b>	Responsible for communicating messages between the Spacecraft and Mission Control, and communicating critical messages to crew members throughout the mission.	<ul style="list-style-type: none"> <li>● Leadership role-comfortable with quick thinking and decision-making</li> <li>● Monitoring space debris</li> </ul>	<ul style="list-style-type: none"> <li>● Communication Systems Engineer</li> <li>● Information Technologist</li> </ul>	
<b>Rover (ROV)</b>	Responsible for troubleshooting and assembling the rover.	<ul style="list-style-type: none"> <li>● Engineering design</li> <li>● Hands-on experimentation and troubleshooting with lab materials</li> </ul>	<ul style="list-style-type: none"> <li>● Computer Scientist</li> <li>● Mechanical Engineer</li> </ul>	
<b>Weather (WX)</b>	Responsible for researching solar weather using telescopes to capture images of long-period comets.	<ul style="list-style-type: none"> <li>● Meteorology</li> <li>● Analyzing data and tracking information</li> </ul>	<ul style="list-style-type: none"> <li>● Meteorologist</li> <li>● Astronomist</li> </ul>	



Now that you have read the job descriptions for Operation Comet, it's time to apply for the job you would like to do for this mission.

Think about your experiences and interests and fill out the chart below.

<b>Job Ranking</b>	<b>Desired Job</b>	<b>What experiences have you had that would help you do this job?</b>	<b>What interests do you have that would make this job exciting for you?</b>
<b>1<sup>st</sup> Choice</b>			
<b>2<sup>nd</sup> Choice</b>			
<b>3<sup>rd</sup> Choice</b>			