

PREPARING A CREW MANIFEST –Comet / Moon 2010-11

Follow the numerical order on the manifest for filling jobs.

Note: The term Spacecraft is used in Moon/ Space Lab is used in Comet.

Navigator

This team works very well with one or two team members in Mission Control and Spacecraft. This is a crucial team for the pace of the mission, so choose carefully here. Team members will utilize computers to locate proper latitudes and longitudes. Informational reading skills are very helpful.

Aeronautical Engineer

This team works very well with two members in Mission Control and two in Space craft, but placing one strong student alone should work fine. This too is a crucial team for the pace mission, so choices should be made carefully. Informational reading skills are necessary as well as higher-level reading and communication skills. Mechanical skills are also helpful.

Communications Specialist

This team works best with one team member in Mission Control and one in Spacecraft. This team will be responsible for checking on all teams. Team members should have good speaking and organizational skills. A high frustration tolerance is helpful.

Robotic Specialist (at ISO 1 station)

This team will have one member in Mission Control and one in Spacecraft. The team members should have good hand-eye coordination and high frustration tolerance. Kinesthetic learners do well at this station.

HazMat Specialist (at ISO 2)

This team will have one member in Mission Control and one in Space Lab. The team members should have good hand-eye coordination and high frustration tolerance. Kinesthetic learners do well at this station.

Solar Array Monitor (at ISO3)

This team will have one member in Mission Control and one in Space Lab. The team members will encounter vocabulary about micrometeoroids and solar arrays and they will enter data into a chart.

Life Support Specialist

This team will have one or two members in Mission Control and Spacecraft. The Life Support team members will read a variety of gauges and may use basic lab equipment including a test tube, beaker, graduated cylinder, eyedropper, etc.

Geologist (MOON ONLY)

This team will have one or two members in Mission Control and Spacecraft. Geology team members will need the ability to observe, analyze and record data. Good written

communications skills including the ability to use descriptive phrases are helpful. Team members will encounter vocabulary that includes regolith, mass, volume and density.

Biologist (COMET ONLY)

Geology team members will need the ability to observe, analyze and record data. Good written communications skills including the ability to use descriptive phrases are helpful. Team members will encounter vocabulary including aeroponics, pH, and observe insects.

Space Meteorologist

This team will have one member in Mission Control and one in the Spacecraft. Students will conduct research, monitor solar flares, and a magnetosphere lab activity.

Medical Doctor

This team can work with one or two members in Mission Control and one or two in the Space Lab. This is a team that can be eliminated when you have a small crew. This is a good location for a higher and lower function student to be paired as a team on one side.