

Preparing a Crew Manifest

Communications Team 2

This team works very well with one team member in Mission Control and one team member in Spacecraft. Team members need to speak clearly and have good organizational skills. A high frustration tolerance is helpful. (Critical team for mission).

Navigation Team 2 - 4

This team works very well with two team members in Mission Control and two team members in Spacecraft. Team members will utilize computers to locate proper latitudes and longitudes and use math skills to triangulate position. Informational reading skills very helpful. (Critical team for mission).

Probe Team 2 - 4

This team works very well with two team members in Mission Control and two team members in Spacecraft. Informational reading skills necessary. Higher level reading and communication skills are necessary. Mechanical skills are helpful. (Critical team for mission).

Medical Team 2 - 4

Team members will require math skills (averaging), analytical skills, recording and researching skills. Preflight information needed about vision, hearing and the cardiovascular system, i.e., blood pressure, pulse. Keyboarding skills are helpful.

Isolation Team 2 - 6

The isolation team members will require vocabulary knowledge about mass, changes in states of matter, micrometeoroids, solar array and its purpose and radioactivity. The isolation team member should have good hand-eye coordination, mathematics skills, reading of scales in grams, and high frustration tolerance. Kinesthetic learners do well on this station; this is a station that allows students with reading difficulties to excel.

Life Support Team 2 - 6

The Life Support Team members will require a vocabulary background that includes humidity, air pressure and temperature. The team members need to know what hygrometers, barometers, and thermometers measure. Background information about lab appliances is necessary: test tube, beaker, graduated cylinder, eye dropper, etc. Observation, math and higher level reading skills are prerequisites for this position.

Remote Team 2 - 4

Remote team members will require the ability to observe, analyze and record data. Good written communications using descriptive phrases is helpful. Team members will need to be familiar with vocabulary that includes mass, volume, density and magnetism. Students will need some background information about classifying items according to shared characteristics, specifically rock samples.

Space Weather 2-4

The Space Weather team members will require vocabulary knowledge about sunspots, solar storm, coronal mass ejections and earth's magnetosphere. Informational reading and graphing skills necessary. Team members will retrieve and interpret satellite imagery and scientific data.

Preparation Tips

1. Place a good reader with a student who might need help with written directions.
2. Place a student with descriptive writing skills with a weak writer.
3. ISO supports special needs students well.
4. ISOLATION and LIFE SUPPORT can support 6 team members if necessary.
5. Consider if you want to challenge a student to participate on a team that emphasizes individual strengths or weaknesses.