

TEAM DESCRIPTIONS:

COMMUNICATION TEAM: As the voice of the mission, they set the tone for the mission. These students should be responsible and cool under pressure.

Skills: reading and oral communication, work in high stress situations, ability to prioritize.

DATA TEAM: Responsible for all written information exchanged between Mission Control and the Spaceship, they should be able to multitask.

Skills: computer keyboard operation, work under pressure, ability to prioritize tasks.

MEDICAL TEAM: Responsible for the health and safety of the astronauts, they study the effects of space flight on the human body.

Skills: good communication, simple math, and keyboarding.

NAVIGATION TEAM: The pilots identify constellations, take measurements and make calculations to get the ship into orbit and land on the Moon and/or Mars.

Skills: math, geography, and an interest in astronomy.

BOTS TEAM: Use robot arms to conduct experiments and analyze test results.

Skills: using joystick controllers, problem solving skills, patience.

SATS TEAM: Responsible for the assembly, deployment, and monitoring of a satellite.

Skills: strong mechanical skills, analytical problem solving, deduction skills.

LIFE SUPPORT TEAM: Responsible for the environmental conditions on the ship that enable astronauts to live in space. They monitor the air filtering, water recycling, and electrical power systems.

Skills: Strong problem solving skills, interest in environmental sciences and chemistry.

BIO TEAM: Analyzes the growth of plants in the greenhouse and maintains the Hydroponic system.

Skills: using joystick controllers, observation skills, patience.

GEO TEAM: Study rocks samples, core layers, and surface features of Moon and Mars

Skills: mapping, observation, and measurement skills, interest in geology.

Full Crew Manifest

Maximum of 44 students, divided into 2 **equal** crews.

- Divide students evenly between Crews.
- Maintain paired teams of crewmembers:
ie: 2 NAVs for Alpha + 2 NAVs for Bravo.
- Can assign single crewmember on COM and DATA teams.
- Assign shaded areas last.

(Spacecraft first)
Alpha Crew

(Mission Control first)
Bravo Crew

COMMUNICATION	1. _____ 3. _____	2. _____ 4. _____
DATA	1. _____ 3. _____	2. _____ 4. _____
BIOLOGY	1. _____ 3. _____	1. _____ 4. _____
SATS	1. _____ 3. _____ 5. _____	2. _____ 4. _____ 6. _____
MEDICAL	1. _____ 3. _____ 5. _____	2. _____ 4. _____ 6. _____
NAVIGATION	1. _____ 3. _____	2. _____ 4. _____
LIFE SUPPORT	1. _____ 3. _____ 5. _____	2. _____ 4. _____ 6. _____
GEOLOGY	1. _____ 3. _____	2. _____ 4. _____
BOTS	1. _____ 3. _____ 5. _____	2. _____ 4. _____ 6. _____