



RENDEZVOUS WITH COMET HALLEY MISSION JOB DESCRIPTIONS



Communications (COM): Responsible for sending all messages to Mission Control and/or International Space Station (ISS). **NEED GOOD READING SKILLS.**

Probe (PROBE): Responsible for assembling a probe which will be launched into Comet Halley's coma. **NEED 2 STUDENTS PER SIDE (4 TOTAL).**

Remote (REM): Handles meteoroid samples using a glovebox. Tests for magnetism, weigh samples, and measure volume by displacement method. Also, examine greenhouse plants for insects and extract chlorophyll. All experiments use the glovebox. **HELPFUL IF THERE ARE 2 STUDENTS PER SIDE (4 TOTAL).**

Isolation (ISO): All stations use a robotic arm using joystick controls to handle "hazardous" substances. ISO 1 weighs chemical sample; ISO 2 count holes in meteoroid panel; ISO3 measures the amount of radioactive particles trapped in filters.

Medical (MED): Responsible for keeping the International Space Station (ISS) crew healthy. Test crew members for visual reaction time, skin temperature and pulse rate.

Life Support (LS): Responsible for keeping International Space Station (ISS) environment safe. They monitor humidity, air pressure, temperature, and oxygen system and the water supply of the International Space Station (ISS).

Data (DATA): Responsible for entering and receiving typed messages on the computer. **NEED GOOD KEYBOARDING SKILLS.**

Navigation (NAV): Responsible for locating and triangulating Comet Halley. Also, determine where to send probe when launched. **GOOD POSITION FOR INDEPENDENT WORKERS WITH GOOD ANYLITICAL SKILLS.**

ALL STATIONS INVOLVE READING DIRECTIONS AND USING A COMPUTER TO RESEARCH INFORMATION TO SOLVE PROBLEMS.