



## COMET TEAM DESCRIPTIONS

TEAM	MISSION CONTROL	SPACECRAFT
<b>COM/ DATA</b>	<p>Sends verbal messages to Spacecraft , including emergency messages. Manages message flow in MC. Manages and monitors outgoing text messages from all MC teams.</p> <p>Skills: 5<sup>th</sup> grade reading level, good oral communication and time management, keyboarding, prioritize info</p>	<p>Sends verbal messages to MC. Manages the message flow in the Spacecraft. Manages and monitors outgoing text messages from all teams to include image data from the spacecraft.</p> <p>Skills: 5<sup>th</sup> grade reading level, good oral communication and time management,</p>
<b>NAV</b>	<p>Assists and monitors in star field initialization, star magnitudes, comet location and launch coordinates.</p> <p>Skills: giving oral instructions, math, graphing</p>	<p>Initialize star fields and determine star magnitudes, location of comet, launch angles and coordinates.</p> <p>Skills: following oral instructions, math,</p>
<b>PROBE</b>	<p>Assists and monitors the construction and deployment of the probe.</p>	<p>Constructs and deploys a Probe that will be launched into the coma of the comet.</p>
<b>REM 1 REM 2</b>	<p>Records and analyzes data sent from spacecraft. Computation and research of data leads to path of action.</p> <p>Skills: interpreting data, math and keyboarding</p>	<p>Collects data on mass, volume, and geological make-up of meteorites.</p> <p>Skills: metric measurement, observation and</p>
<b>LS</b>	<p>Records and analyzes data sent from spacecraft. Conducts extensive research and makes decisions regarding safety.</p>	<p>Collects data on pH of water, oxygen tests, and solar panels.</p> <p>Skills: collecting data, math, following written</p>
<b>MED</b>	<p>Collects, monitors, and analyzes medical test data.</p> <p>Skills: problem solving and keyboarding</p>	<p>Conducts medical tests on the Spacecraft crew.</p> <p>Skills: proper use of testing equipment and</p>
<b>ISO 1 ISO 2 ISO 3</b>	<p>Records and analyzes data sent from spacecraft. Through research, will respond immediately with decisive actions.</p> <p>Skills: reading, making decisions, interpreting data and keyboarding</p>	<p>Conducts experiments regarding radioactivity, meteoroids, and hazardous materials.</p> <p>Skills: good hand-eye coordination, work with robotic arms and keyboarding</p>



## HOW TO MATCH STUDENT ABILITIES TO TEAMS ON THE CREW MANIFEST

**Communication/Data:** The communication specialist has excellent verbal and auditory skills. This student is a good time manager. This team is definitely not the place for the class clown. Specialist possesses excellent reading, keyboarding and organizational skills.

**Navigation:** The navigators have excellent reading comprehension, verbal, and math skills. They follow oral and written directions well. This specialist is able to work within a set timeline.

**Probe:** The probe engineers are self starters, able to follow oral instructions well and are good listeners. This specialist is able to complete work within a set timeline.

**Remote:** The remote specialist is comfortable in working with oversized gloves in the glovebox. This specialist is observant, knows how to read and use metric equipment, and has excellent research skills. Keyboarding and organizational skills also required.

**Life Support:** The life support specialist is a multi-tasker and a problem solver. This specialist follows written and oral instructions with ease. Keyboarding and research skills also required.

**Medical:** The medical specialists are self starters, comfortable with giving and following both written and oral instructions as they perform a variety of tests on the spacecraft crew. Keyboarding, problem solving and research skills also required.

**Isolation:** The isolation specialist possesses excellent hand-eye coordination skills and patience to work with sophisticated robotic equipment. This specialist reads well and follows written and oral instructions. Keyboarding and research skills also required.



# RENDEZVOUS WITH COMET HALLEY CREW MANIFEST



Mission Date \_\_\_\_\_ Time \_\_\_\_\_  
 Teacher name \_\_\_\_\_ School \_\_\_\_\_  
 Grade(s) \_\_\_\_\_ # of students \_\_\_\_\_ # of chaperones \_\_\_\_\_

1. Assign the crew following the numbers listed below. Maximum crew size is 34.
2. FAX the Manifest prior to mission day. FAX #: 423.425.2190

TEAM NAME	<u>GROUP A</u> BEGINS IN	<u>GROUP B</u> BEGINS IN
<b>COM/DATA</b>	1 _____	2 _____
<b>NAVIGATION</b>	3 _____ 27 _____	4 _____ 28 _____
<b>PROBE</b>	5 _____ 29 _____	6 _____ 30 _____
<b>REMOTE 1</b>	7 _____ 9 _____	8 _____ 10 _____
<b>REMOTE 2</b>	23 _____ 25 _____	24 _____ 26 _____
<b>LIFE SUP- PORT</b>	11 _____ 15 _____	12 _____ 16 _____
<b>MEDICAL</b>	13 _____ 17 _____	14 _____ 18 _____
<b>ISOLATION 1</b>	19 _____      21 _____	20 _____      22 _____
<b>ISOLATION 2</b>	31 _____      33 _____	32 _____      34 _____