



## M O O N T E A M D E S C R I P T I O N S

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 data from all MC teams.</p> <p>Skills: 5<sup>th</sup> grade reading level, good oral communication, time management, keyboarding, and prioritizing information</p>	<p>Sends verbal messages to MC. Manages the message flow in the Spacecraft. Manages and monitors text messages from all teams to include image data from spacecraft.</p> <p>Skills: 5<sup>th</sup> grade reading level, good oral communication, time management, keyboarding, and prioritizing information</p>
<b>NAV</b>	<p>Achieve lunar orbit, triangulating landing positions, selecting landing sites, land lunar spacecraft.</p> <p>Skills: giving oral instructions, math, graphing skills, map reading</p>	<p>Achieve lunar orbit, triangulating landing positions, selecting landing sites, land lunar spacecraft.</p> <p>Skills: following oral instructions, math, reason-</p>
<b>PROBE</b>	<p>Analyze data to determine best lunar landing site, guide in the assembly of equipment module probe.</p>	<p>Constructs and deploys a Probe that will be launched to the lunar surface.</p> <p>Skills: reading, following oral directions</p>
<b>REM 1 REM 2</b>	<p>Records and analyzes data regarding lunar rock samples. Computation and research of data leads to path of action.</p>	<p>Collects data on mass, volume, density and specific gravity of rock and mineral samples.</p> <p>Skills: metric measurement, observation and</p>
<b>LS</b>	<p>Records and analyzes data. Conducts extensive research and makes decisions regarding safety.</p> <p>Skills: analysis of data, math and keyboarding</p>	<p>Collects data on pH of water, oxygen tests, humidity and air pressure.</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. Through research, will respond immediately with decisive actions.</p> <p>Skills: reading, making decisions, interpreting data and keyboarding</p>	<p>Conducts experiments regarding the solar array, 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.

**Data:** The data 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.



# RETURN TO THE MOON 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 at least two days prior to mission day. FAX #: 423.425.2190

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