# **CREW MANIFEST Junior Astronauts: Mystery in Space**

Mission Date: Mission Time: # of Students: \_\_\_\_\_\_\_\_\_ Grade: \_\_\_\_\_\_\_\_\_

Teacher’s Name(s): School:

Split all students (usually one class, but sometimes two smaller classes) into two groups. Fill out a separate copy of this Crew Manifest for each group (maximum 20 students).
First assign students to the first column, and then assign additional students to the job as available in the second column. See next page for tips.

Please bring two (2) copies of these completed Crew Manifests with you on the day of the mission.

|  |  |  |  |
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|  | TEAM | First fill these slots: | Then fill these slots: |
| 1 | **NAV** *Navigation***nav_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |  9.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 2 | **ISO***Isolation: Robotic Arm***iso_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 10.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 15.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3 | **PROBE****probe_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |  11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 16.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 4 | **LS***Life Support***ls_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 17.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 5 | **MED***Medical***med_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |  13.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 18.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 6 | **REM***Remote: Glovebox***rem_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |  14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 19.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 7 | **COM***Communications***com_logo** | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 20.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

# **TEAM DESCRIPTIONS Junior Astronauts: Mystery in Space**

Review each of these job descriptions to familiarize yourself with the type of work being conducted during the mission.

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|  | TEAM | DESCRIPTION | JOB TITLES  |
| 1 | **NAV** *Navigation***nav_logo** | Identify stars and find unknown object using the computer. Skills needed: strong reading, following instructions, computer technology. | PilotAstronomer |
| 2 | **ISO***Isolation: Robotic Arm***iso_logo** | Use robotic arms to test chemical bottles for leaks, check filters for radiation, and count holes in meteoroid panels. Skills needed: Following directions, hand and eye coordination, comfortable with challenging tasks. | Mechanical EngineerRobotics Technician |
| 3 | **PROBE****probe_logo** | Assemble the scientific probe onboard the Spacecraft and mass the parts if they have time. Skills needed: Following visual instructions, dexterity. | Mechanical EngineerElectrical Engineer |
| 4 | **LS***Life Support***ls_logo** | Monitor temperature, oxygen systems, and water purification. Skills needed: Reading, following directions. | Systems EngineerTechnical Specialist |
| 5 | **MED***Medical***med_logo** | Make sure that the Spacecraft crew is healthy by testing astronauts’ eyes, temperature, and heart rate. Skills needed: reading, following directions, communicating, and working with other people. | DoctorNurse |
| 6 | **REM***Remote: Glovebox***rem_logo** | Conduct experiments in glove boxes (Identifying Bugs, Massing Chemicals, and Categorizing Meteoroids). Skills needed: reading, following directions, hand and eye coordination, dexterity. | ChemistGeologistBiologist  |
| 7 | **COM***Communications***com_logo** | Document the mission by recording interviews with the astronauts using a video camera. Will ask astronauts questions about their job and tasks. Skills needed: Comfortable with technology, good communicator. | Science JournalistCommunications Engineer  |