

Destination Mars Skills Overview Document

Team Names and Objectives

Geology Team:

- Use terrain maps to analyze physical features of the two moons
- Collect data to determine a location most suitable for a human habitat.

Navigation Team:

- Use terrain maps to determine the safest route for the rovers on the two moons
- Collect data to determine a location most suitable for a human habitat

Conditions Team:

- Conduct radiation and temperature tests from varying locations on both moons
- Collect data to determine a location most suitable for a human habitat

Rover Team:

- Examine and calibrate needed instruments on the rover
- Utilize coding steps within a physical features map to determine a location most suitable for a human habitat

Destination Mars Skills and Expectations:

Destination Mars is intended for an upper-elementary school audience (5th and 6th grade students).

To complete the mission, students are expected to perform the following skills independently:

- Read independently at a 5th grade reading level
- Participate in collaborative discussions with their teammates
- Think critically and be reflective about their work
- Analyze physical feature maps and understand a map scale
- Analyze sets of data and draw conclusions
- Utilize context clues in informational texts to understand the meaning of new vocabulary words
- Follow and apply multi-step directions in an online setting

