

e-Mission:

Moon, Mars, and **BEYOND!**



Moon, Mars, and Beyond

Overview of Teams and Roles



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



The Scene

- The year is 2080.
- The mission begins with a space ship launching from the Moon.
- This ship is traveling to Mars.



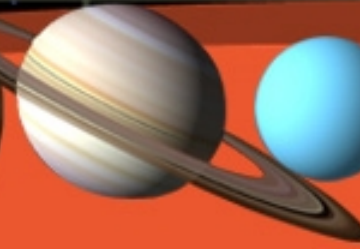
- You are in Mars Mission Control communicating with the flight director at Earth Mission Control



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Teams

You will join one of six teams:

- Jupiter Team
- Saturn Team
- Uranus Team
- Neptune Team
- Pluto Team
- Communications Team



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Your Mission

- To research and know information about your planet
- To be ready to send a ship to your planet from Mars
- To use maps of the solar system
- To pack cargo for the voyage



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Your Job

On each team there are three jobs:

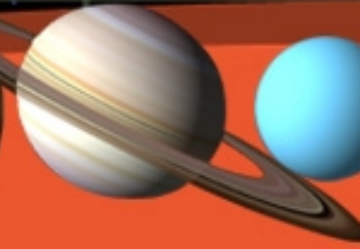
- Transmissions
- Navigation
- Cargo



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Transmissions Specialist

- You will receive information from near your planet about the lost ship
- The information is code. You must decode it
 1. Words = Greek symbols
 2. Each letter = Circular symbols
 3. Words = Math equations [example: (3×4) was $(10+10)$]
- Next, they complete a problem-solving chart to track where the ship has been spotted each day Monday through Friday



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Navigation Specialists

1. Plots the location of each planet on an X-Y coordinate plane
2. Plots the location of “Unknowns”
3. Plots the course of the ship over the last five days



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Cargo Team

- **Calculates cargo needs for a rescue trip to their planet**
 1. Food
 2. Water
 3. Oxygen
- **Trip out has two astronauts and the return trip has four astronauts**
- **Calculates the number of packing crates necessary**



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Teams

- On each team there are three roles: Transmissions, Navigation, or Cargo
- On each team's Data Computer, each specialist receives three pieces of information
- Final calculations are recorded on a main board at the front of the room



Fueled by
Computer Associates®

e-Mission:

Moon, Mars, and **BEYOND!**



Conclusion

- Determine where the lost ship is
- Launch a rescue ship
- Crew saved!



Fueled by
Computer Associates®