



Challenger Learning Center of the Twin Tier Region

VIRTUAL MISSIONS

Only \$250!

Looking to start your Earth & space science unit in an engaging way? Consider using our Destination Mars & Destination Moon Virtual Missions. Virtual Missions are space-themed virtual experiences delivered to students in real-time by Challenger Learning Center Staff using video conference technology—perfect for in-person, remote, & hybrid classrooms. Students practice critical 21st century skills including teamwork, collaboration, & problem-solving. **Recommendations:** Grades 5-8th; 8-24 students; 45 minutes to one-hour mission with optional pre- & post-mission activities

Destination Mars:



Researchers are ready to explore Mars. We need to build a base on one of the Red Planet's moons, Deimos or Phobos, that will allow us to send a spacecraft to the surface of Mars & back in the fastest & safest way possible. Your students will work in teams to select which moon is best to build our base on by analyzing sets of data collected by rovers on Deimos & Phobos. The team's research efforts come to a halt when they encounter a critical emergency. To successfully explore Mar's moons & complete the mission, your students must work together to protect the rovers & restore communication, analyze the data from their experiments & select a moon to build a base.

Destination Moon:

Researchers are ready to return to the Moon to explore its surface & establish a second habitat for astronauts to live & work. To get there, your students will work in teams to launch & fly Blue Origin's reusable launch vehicle, New Glenn, into orbit; safely land Blue Origin's lunar lander, Blue Moon, on the lunar surface & prepare to explore the Moon's surface. While in orbit, they'll monitor for potentially dangerous space weather & space debris, conduct safety checks on the spacecraft systems, deploy & monitor satellites & launch payloads. With the journey underway, your students in Mission Control learn there's an emergency on the original lunar habitat. They'll collaborate with another crew to problem-solve & troubleshoot the emergency. Will the crews solve the urgent issue? A successful mission depends on it.



*NY State School mission costs are aidable through the Distance Learning Coser 420.

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