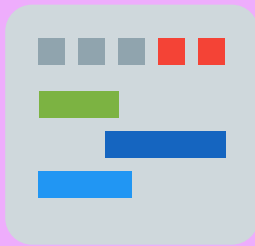


Mission Logistics

Have you ever wanted to travel to the Moon? Have you ever wondered what goes into the planning the mission to the Moon? You and your team will design a "mission" to the Moon. Just like the NASA mission designers, you will have a "catalog" of mission hardware from which you can choose. And, just like the NASA mission designers, you will have budgets for mass, power, and cost that you must keep in balance. Mission planning also uses knowledge from many different scientific fields including engineering, physics, astronomy, biology, and more!



NASA Mission Planning

To plan out tasks and activities during missions, NASA uses special mission planning software to develop timelines for each mission

MATERIALS

- Scissors ***
- Paper ***
- Pencil ***
- Equipment cards
- Cargo activity sheets

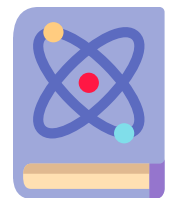
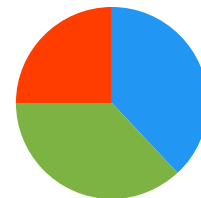
*** Materials found at home

WE CHALLENGE YOU TO

Design a mission to get astronauts back to the Moon

AND LEARN ABOUT

- Mission planning
- Scientific equipment
- Mass, power, and cost constraints



FURTHER EXPLORATION

Ride 2 Station Online | <https://rocketsciencec2e.ksc.nasa.gov/>

Ride 2 Station iOS App | <https://apps.apple.com/us/app/rocket-science-ride-2-station/id1486222141>

NASA Desert RATS iOS App | <https://apps.apple.com/us/app/nasa-desert-rats-virtual-test-site/id463505939>

Spacecraft 3D iOS App | <https://apps.apple.com/us/app/spacecraft-3d/id541089908>

