

Project Artemis

Summary:

This is the mission of NASA to get back to the moon and put the first woman on the moon, another man, and add a rover named VIPER (Volatiles Investigating Polar Exploration Rover) to the surface of the moon. VIPER's mission is to explore the polar regions of the moon in search of ice. If they can find ice they can use this ice to make water more accessible for either an orbital station around the moon or possibly a base on the surface. The ultimate goal of this station is to be a springboard to get to Mars. The ship could refuel at the moon to finish the trip to Mars. There are possibly 64 interested parties in building the rockets to transport materials and astronauts to the moon. These companies include SpaceX, Boeing, Lockheed Martin, Northrop Grumman, and Blue Origin just to name a few. Some proposals are bypassing the moon altogether claiming to be able to make a single trip to Mars alone to simplify. Others are relying on a resupply and refuel at the moon. Your mission is to create your own proposal to get to Mars. You can simply draw your rocket design and moon base if necessary or go as in depth as writing out a full proposal as to why your proposal should be chosen. Be sure to post to Facebook and tag @RealitysEdge in your proposals so we can see all submissions.

Helpful links to Project Artemis:

<https://www.nasa.gov/specials/artemis/>

<https://www.nasa.gov/artemis/overview>

<https://www.nasa.gov/press-release/new-companies-join-growing-ranks-of-nasa-partners-for-artemis-program>

<https://www.nasa.gov/feature/new-viper-lunar-rover-to-map-water-ice-on-the-moon>

<https://www.space.com/viper-nasa-moon-rover-launch-delayed-2023.html>

<https://spectrum.ieee.org/tech-talk/aerospace/space-flight/aerospace-companies-compete-to-build-lunar-landers-for-nasas-project-artemis>

There are a million more articles out there about this mission but this should be a great start. SpaceX and Boeing are two proposals that have plans to bypass the moon altogether if you want some idea of how they plan on doing this.

If you'd like to build your own scale model rockets here are some simple ideas as well:

<https://www.digitaltrends.com/cool-tech/how-to-build-a-rocket/>

Simplified versions of the above (<https://www.wikihow.com/Make-a-Simple-Rocket>)

<https://spaceplace.nasa.gov/pop-rocket/en/>

<https://www.youtube.com/watch?v=GQ32ShfE6k4>