

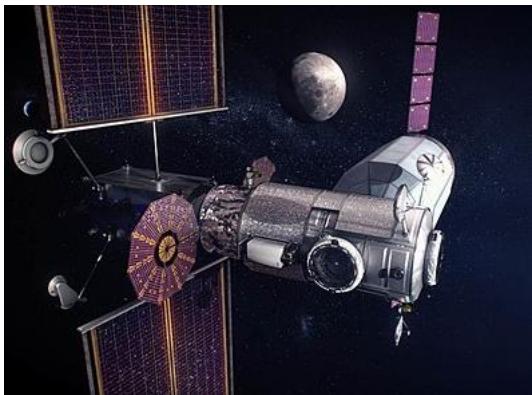
THE ARTEMIS MISSIONS

The Artemis program is primarily led by NASA and U.S. [commercial spaceflight contractors](#), in partnership with the [European Space Agency](#) and the space agencies of several other nations. The objective is to explore the Moon and establish the first long-term presence on the moon. This mission will land the first woman and first person of color on the Moon!

The information and data gathered and learned on the moon will be used to take the next step and send the first astronauts to Mars.

Why go to the Moon?

- 1) Scientific discovery. To study the Moon while building on over 50 years of exploration experience and learn more about the origin and history of Earth, the Moon, and the solar system.
- 2) Economic benefits as the missions enable a growing lunar economy and this will fuel new industries that will support job growth and further the demand for a skilled workforce
- 3) Inspiring a new generation of explorers and encouraging careers in STEM



How they are going to the moon: The Orion Spacecraft will carry astronauts from Earth to lunar orbit and back. The Space launch system rocket is the only rocket that can send Orion, astronauts, and cargo to the Moon on a single mission. The Exploration ground systems are the structures on the ground necessary to support launch and recovery of returning astronauts. The

Gateway is the spaceship in lunar orbit where astronauts will transfer between Orion and the lander on regular Artemis missions. The Human landing system which is built by American companies. These are the final mode of transportation that will take the astronauts from lunar orbit to the surface and back to orbit. The Artemis base camp is a place for astronauts to live and work on the moon.

Throughout this decade the Artemis missions will take place. The following dates are to be confirmed: Artemis 1 – 29 August 2022. Artemis 2 – 2024. Artemis 3 – 2025. During this period NASA will send a suite of science instruments and

technology demonstrations to the lunar surface through [commercial lunar payload deliveries](#). NASA will also fly two missions around the Moon to test their deep space exploration systems.

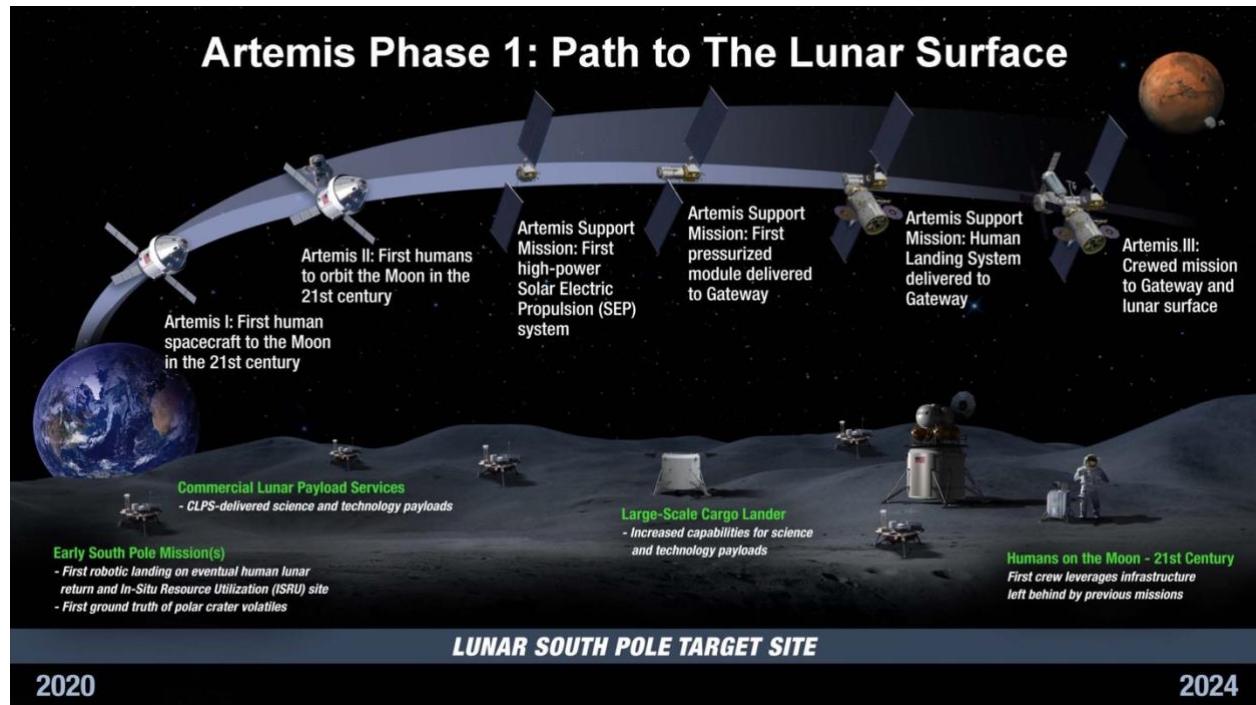
Once on the Moon, the crew will do the following: Find and use water and other resources needed for long-term exploration, Investigate the Moon's mysteries and learn more about Earth.

The latest updates (links are included for more information)

- 1) Artemis 1: Final Stage of Moon Rocket Preparations Underway
- 2) NASA's ShadowCam Launches Aboard Korea Pathfinder Lunar Orbiter
- 3) Final Work Continues to Ready Artemis 1 Moon Rocket Launch
- 4) NASA's CAPSTONE Executes Third Maneuver on Track to the Moon

There are so many more updates! To view them all [Click Here!](#)

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