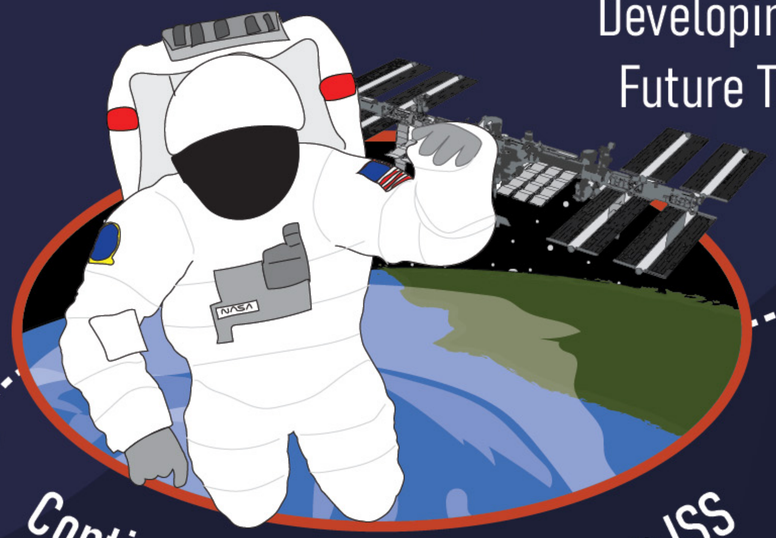
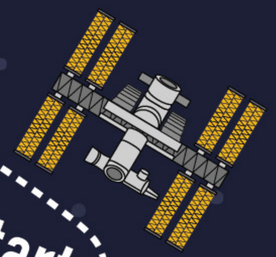
THE EVA AND HUMAN SURFACE MOBILITY PROGRAM (EHP) MISSION

TO EXECUTE SAFE EVAS THROUGHOUT THE LIFE OF THE INTERNATIONAL SPACE STATION AND TO DEVELOP EVA AND SURFACE MOBILITY SYSTEMS FOR ARTEMIS TO PROVIDE CREW EXPLORATION CAPABILITY ON THE MOON

Developing the Future Today



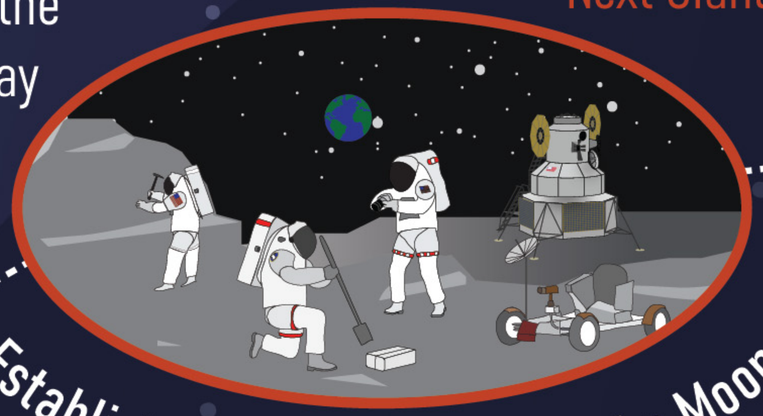
Continue EVA Advancement on ISS



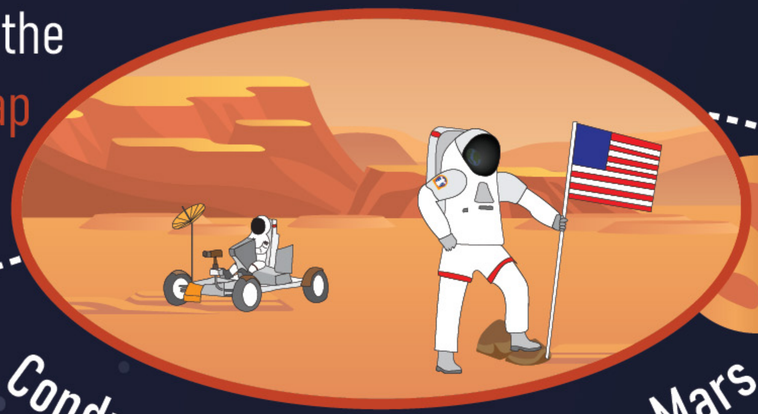
Exploration Starts Here

Johnson Space Center
Houston, Texas

Establish Human Presence on the Moon



Preparation for the Next Giant Leap

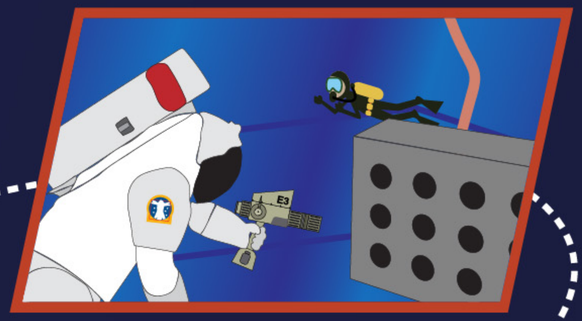


Conduct Human Exploration on Mars

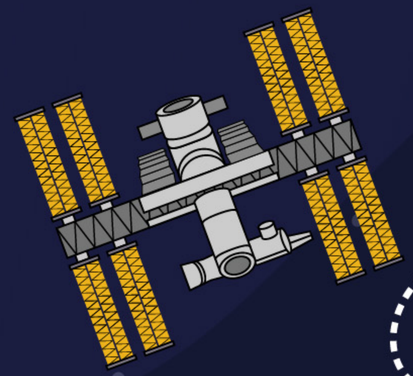
THE EVA AND HUMAN SURFACE MOBILITY PROGRAM (EHP) MISSION

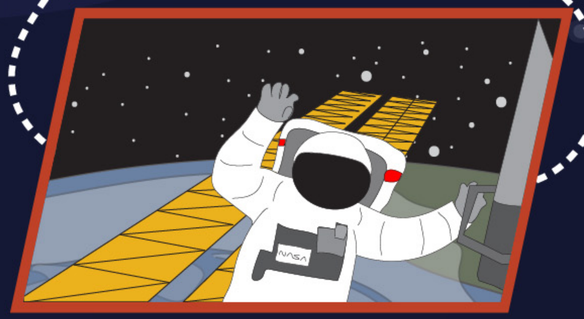
Mission Objective

1) Continue EVA Advancement on ISS



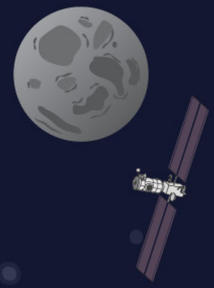
ISS assembly was completed in 2011 thanks to EVA capabilities designed and tested in the NBL.

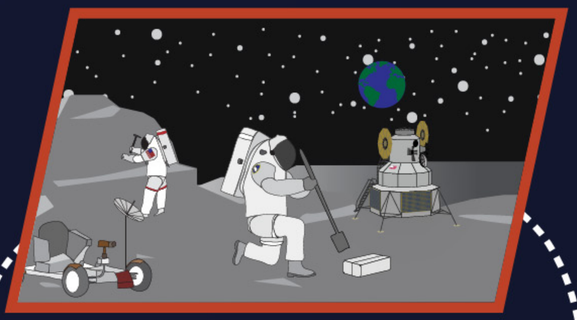




We've completed over **240 EVAs** on ISS, totalling over **1,500 hours** of EVA time.

We will continue to enable **safe and effective** EVAs...





We will utilize **exploration technologies** for the Moon.

...and will proceed with the testing and development of new **EVA capabilities and technologies**.

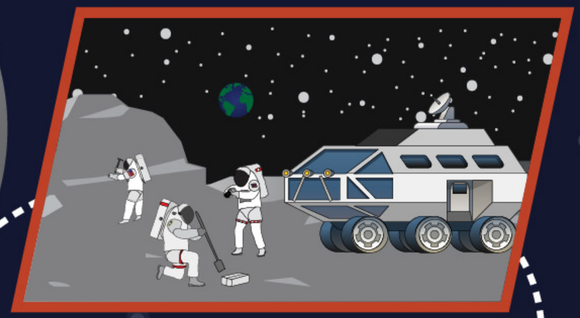
Past **Present** **Future**

THE EVA AND HUMAN SURFACE MOBILITY PROGRAM (EHP) MISSION

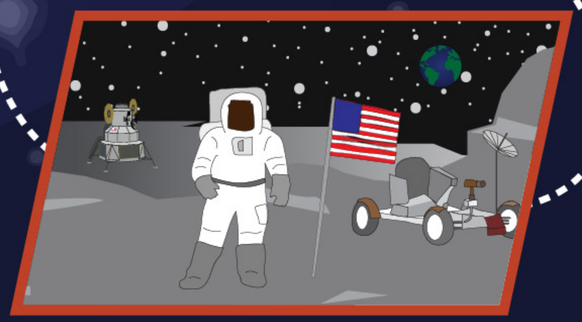
Mission Objective

2) Establish Human Presence on the Moon

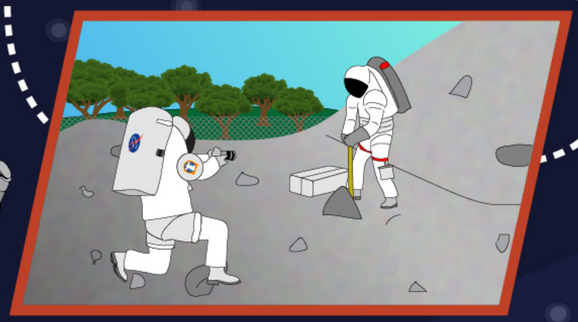
A prototype spacesuit is in development to support **ISS** Low Earth Orbit Operations and **Artemis** missions to the moon and **Gateway**.



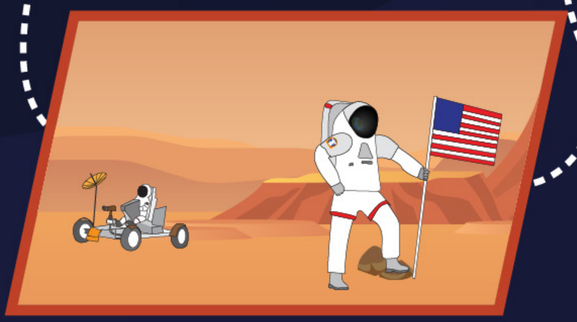
Humans will return to the lunar surface and develop a base camp to support **continued exploration**.



14 lunar surface EVAs were completed during the Apollo Program totaling over **150 hours** of EVA time.



New **lunar geology tools** are being developed and tested to support lunar science goals.



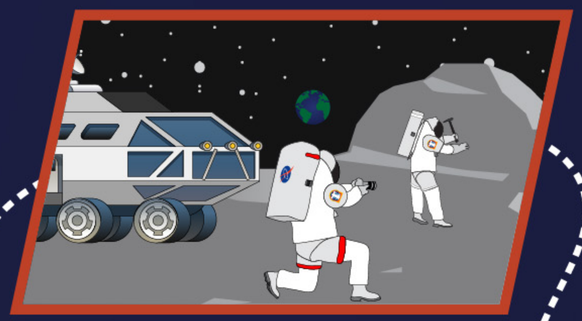
Lunar Exploration Technologies will enable the next big leap... **planetary exploration on Mars!**

Apollo — **Artemis**

THE EVA AND HUMAN SURFACE MOBILITY PROGRAM (EHP) MISSION

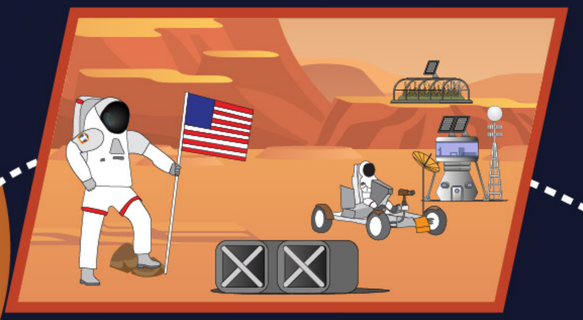
Mission Objective

3) Conduct Human Exploration on Mars

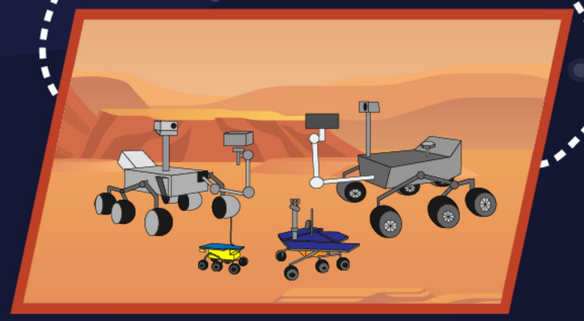


Technology testing and **lessons learned** from lunar exploration will guide development activities for Mars.

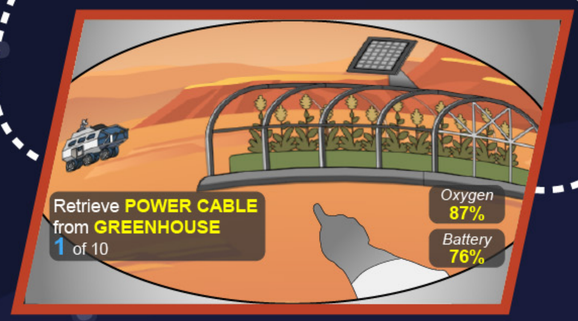
Science objectives are being defined that will inform operational development.



This is paving the way for **planetary exploration** and the **establishment of a permanent settlement** on Mars.



NASA has sent five rovers to the Martian surface to capture imagery, samples, and data to plan for Mars missions.
Bots before boots!



Advanced technologies, such as an **EVA Heads Up Display**, will increase safety and efficiency.

Where will exploration take us next?

Past — **Present** — **Future**