



ARTEMIS

Artemis II Overview

Patricia Moore

ESDMD Strategic Communications



**Artemis Messaging
Watch Party Resources
Digital Engagement
KSC Activities
Broadcast**





Why Go?



ECONOMIC BENEFITS



INSPIRATION FOR A NEW
GENERATION OF EXPLORERS

SCIENTIFIC DISCOVERY



Artemis I

First Mission
(Uncrewed Test Flight)



COMPLETE

Artemis II

First Crew



Artemis III

First Human Surface Landing



Artemis IV



Artemis V



Artemis Suppliers





ARTEMIS II





Artemis II Overview



ARTEMIS FIRSTS:

- Crewed integrated flight test of the Space Launch System (SLS) rocket, Orion spacecraft, and Exploration Ground Systems (EGS) at KSC
- Active Orion Launch Abort System (LAS)
- Demonstration of Orion life support systems
- Proximity operations demonstrations
- Human data collection in transit to and from the Moon, in lunar orbit, and through reentry and splashdown
- Conducting new science and technology demonstrations in orbit

NEW ELEMENTS:

- Orion life support systems
- Launch Complex 39B emergency egress system for crew and new liquid hydrogen system

COMMON ELEMENTS:

- SLS rocket Block 1 configuration
- Orion crew spacecraft
- Mobile Launcher 1

ENSURING CREW SAFETY IS OUR TOP PRIORITY!



Artemis II Mission Trajectory





NASA
ARTEMIS

NASA

ARTEMIS

JEREMY HANDEY

CHRISTINA H. KOGAN

VICTOR BLONDE

RED WOODMAN

Reid Wiseman — COMMANDER

HOMETOWN: Baltimore, Maryland

- Flew previously as a flight engineer aboard the International Space Station for Expedition 41 from May through November 2014, logging more than 165 days in space.
- Prior to this assignment, Wiseman served as chief of the Astronaut Office from December 2020 until November 2022.



Victor Glover — PILOT

HOMETOWN: Pomona, California

- Previously served as pilot on NASA's SpaceX Crew-1 to the International Space Station, spending 168 days in orbit as part of Expedition 64.
- Aboard the space station, he served as flight engineer, contributing to scientific investigations, technology demonstrations, and participating in four spacewalks.



Christina Koch — MISSION SPECIALIST

HOMETOWNS: Grand Rapids, Michigan / Jacksonville, North Carolina

- Served as flight engineer on the International Space Station for Expeditions 59, 60, and 61.
- Koch set a record for the longest single spaceflight by a woman, with a total of 328 days in space, and participated in the first all-female spacewalk.



Jeremy Hansen — MISSION SPECIALIST

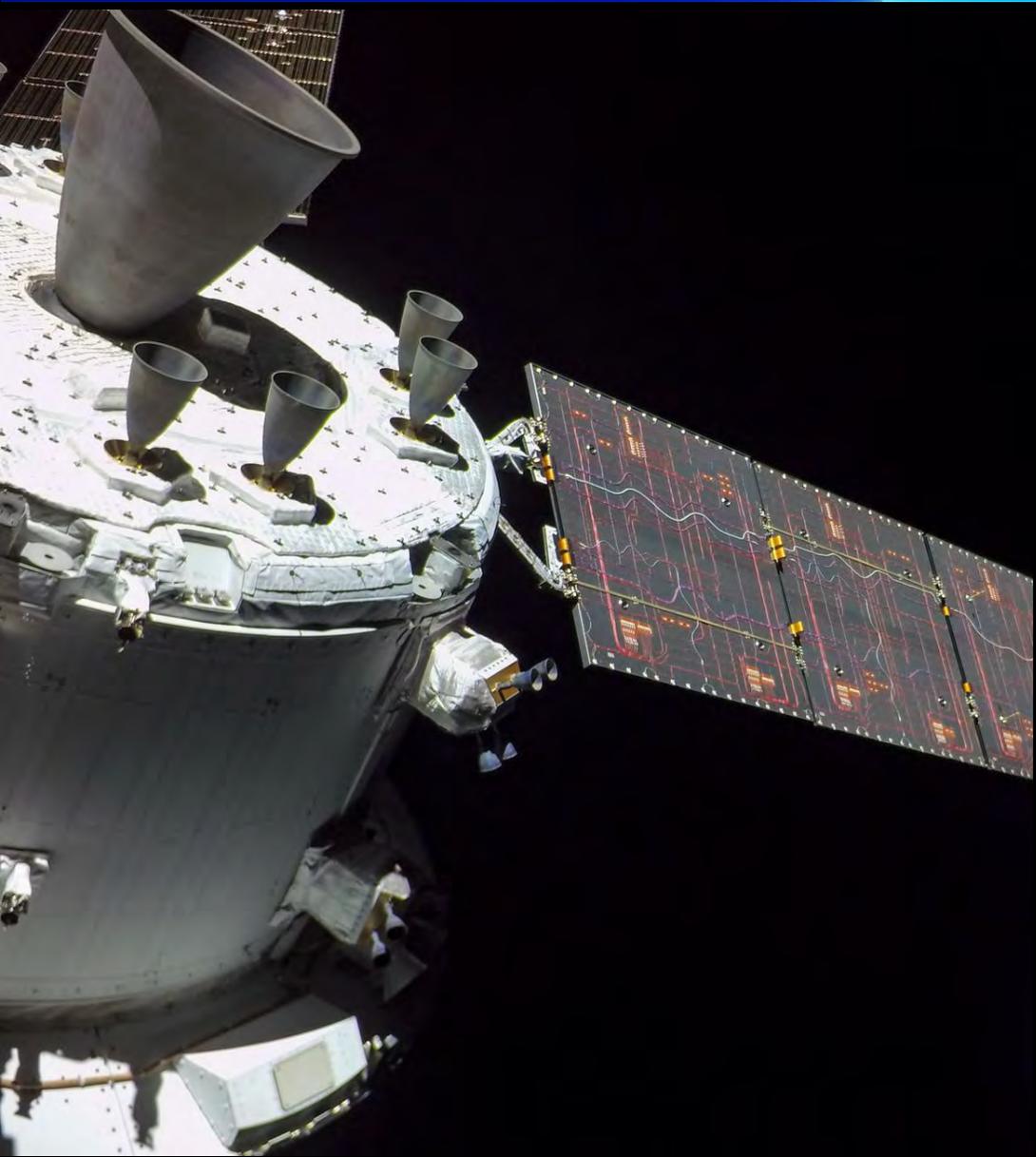
HOMETOWN: London, Ontario

- Canadian Space Agency (CSA) astronaut Jeremy Hansen earned his private pilot license and wings at the age of 17 and went on to become a fighter pilot and colonel in the Canadian Armed Forces.
- On Artemis II, his first spaceflight, he will become the first Canadian to ever venture to the Moon.





Artemis II Science



HUMAN HEALTH AND BIOLOGY

- NASA will fly several experiments related to human health, a space biology experiment, and radiation monitors. NASA will also collect data on crew health and performance to learn more about how human bodies react to flights deeper into space

PREPARING FOR SURFACE SCIENCE

- Artemis II will prepare for Artemis III and all future missions to planetary surfaces by demonstrating science integration into astronaut training and mission operations in this new era of exploring the surfaces of other worlds

LUNAR OBSERVATIONS

- The crew's observations, handheld photography, and images from the Orion spacecraft will form the basis for scientific investigations into the Moon's geological history, the lunar environment, and current processes such as new impacts

CUBESATS

- CubeSats from four international space agencies will fly aboard Artemis II, containing technology demonstrations or scientific experiments that could enhance our understanding of the space environment





Human Health and Biology



ARChER



A study on Artemis II will monitor participating astronauts' well-being, activity and sleep patterns to learn more about human health and performance in deep space.

AVATAR



Credit: Emulate

An investigation will use organ-on-a-chip devices to study the effects of increased radiation and microgravity on crew health.

Immune Biomarkers



Scientists will analyze blood and saliva samples from Artemis II crew members to see how deep space changes the immune system.

Artemis II Standard Measures



Crews, including the Artemis II crew, are supplying a consistent set of health information to a data bank so that future researchers can learn more about astronaut health.

Radiation Studies



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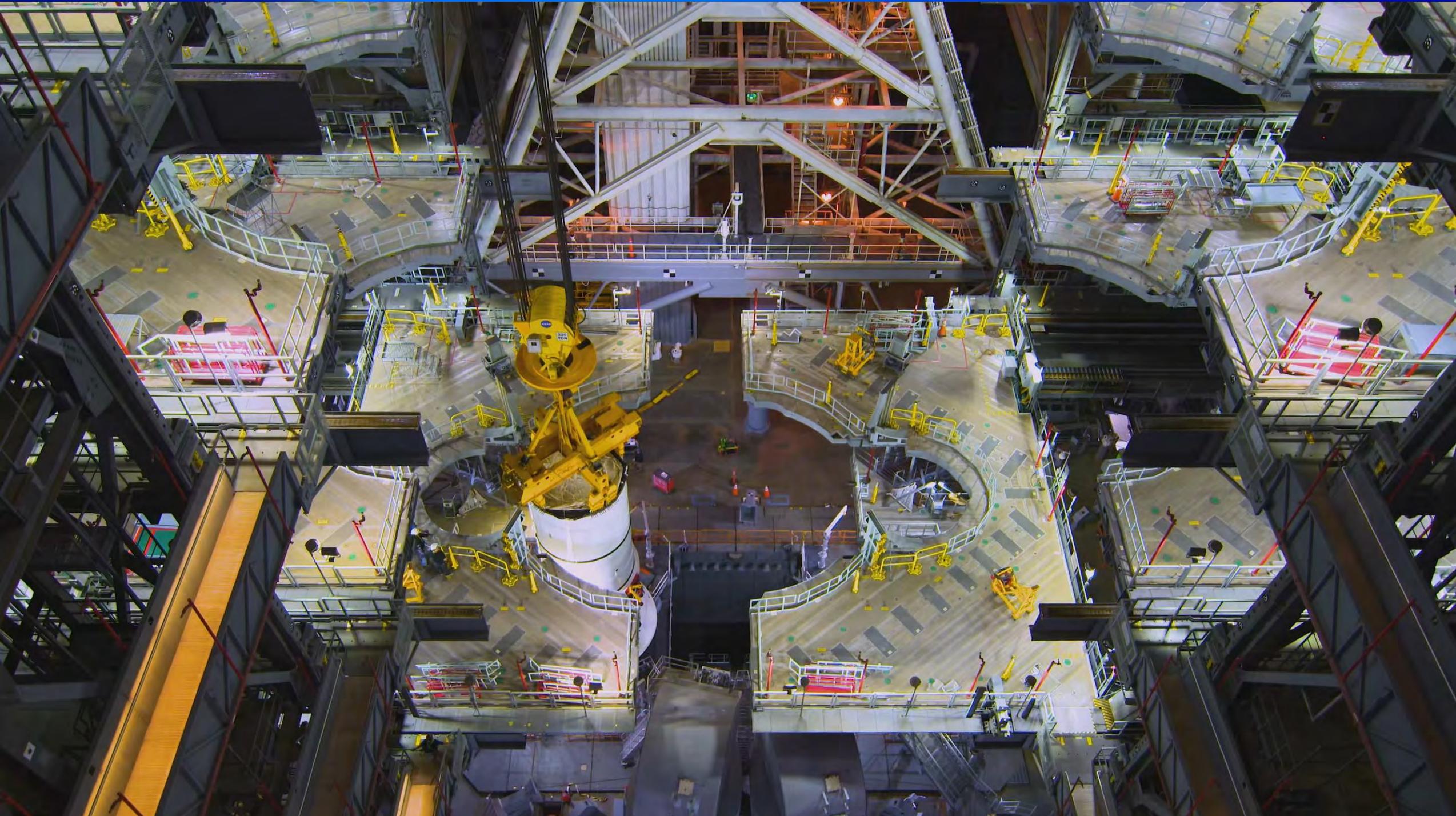
Artemis II Visualization of Lunar Approach





Living in Orion





Artemis II Roll Out – January 17th



Platforms Retract in Preparation of Roll Out



Artemis II SLS and Orion Clear the VAB Doors



Final Crawler Transport Preparations



Artemis II Prime and Backup Crewmembers



Arrival to Launch Pad 39B

Artemis II: Final Preparations



Countdown Demonstration Tests



Crew Training & Integrated Sims



Launch Pad Integration



Wet Dress Rehearsal

QUESTIONS ABOUT THE MISSION?



ARTEMIS II

WATCH PARTIES





Sky View Academy, CO



Space Center Houston, TX



San Diego Air and Space Museum, CA

Artemis Watch Parties

Astronomy Clubs
 Community Centers
 Family Homes
 Libraries
 Museums & Science Centers
 Parks

Restaurants & Pubs
 Schools
 Scouts & Youth Organizations
 Streaming Platforms
 Universities
 Workplaces



Moorehead State University, KY



U.S. Space & Rocket Center, AL



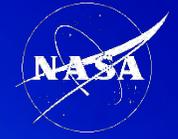
Watch Party Planning Guide



- Learn About Artemis
- Be Part of the Artemis II Mission
- Exhibit and Graphic Display Resources
- Books and Novels
- Inspirational and Educational Videos
- 3D Resources
- Interactives and Virtual Reality
- Downloadable Posters
- Collector and Trading Cards
- STEM Activities and Outreach Resources
 - Floor Demonstrations
 - Table Activities
 - Other Activities
 - Learn to Draw Artemis
 - Coloring Activity Books and Other Fun Pages
- Connect with NASA



Watch Party Guide Tour





Register as a Virtual Guest



**49,981
Virtual Guests**

*Click here to register as
a virtual guest for the
Artemis II launch*



NASA's Artemis II Mission Launch

By NASA Follow

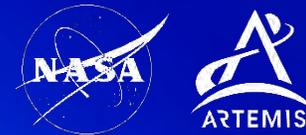
Free

Reserve a spot

Part of the NASA's Virtual Guest Program collection



Select "Artemis II Watch Party Host" Add-on Ticket



NASA's Artemis II Mission Launch

Registration

Online Participation - 1 +

Free

Join us as a virtual guest for the Artemis II mission! Receive curated mission resources, the latest mission updates, and collect commemorative stamps for y...
[See more](#)

Add-ons

Artemis II Watch Party Host - 1 +

Free



[Register](#)

Order summary

1 x Online Participation	\$0.00
1 x Artemis II Watch Party Host	\$0.00
Total	\$0.00

Artemis II Watch Party Host - 1 +

Free



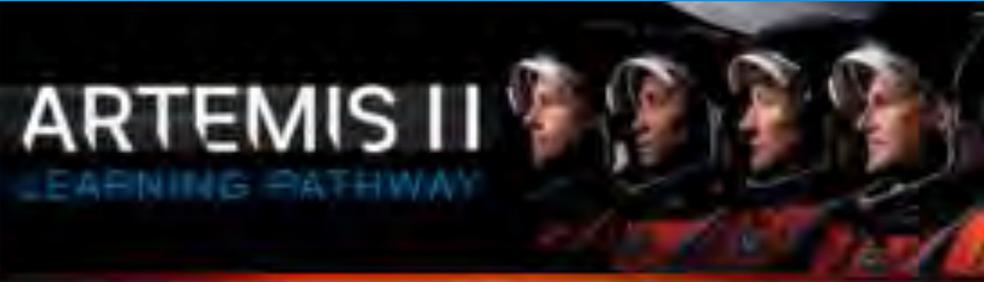
Interested in sharing the excitement with a group? Host your own watch party for the launch or splashdown of Artemis III! From private watch parties in schools/classrooms, retirement homes, or even your living room, to public watch parties at museums, science centers, libraries, community centers, and beyond, the possibilities are endless.

This add-on will grant you access to the Artemis II Watch Party Planning Guide containing free NASA activities, videos, images, interactive worksheets, and other multimedia resources that will help you host a watch party and take your group's experience of the launch and splashdown to the next level. With this add-on you'll also receive timely emails with communications on launch schedule changes, launch related activities, and access to curated launch resources.
[See less](#)

22,821 Watch Parties



Select "STEM Learning Pathway" Add-On Ticket

ARTEMIS II LEARNING PATHWAY

Artemis II: Prepared for Launch

NASA is embarking on a new era of exploration! With Artemis, NASA will land astronauts on the surface of the Moon and safely return them to Earth.



This week, we're highlighting resources to prepare you for the [upcoming launch](#). NASA is currently targeting launch for no earlier than Monday, Aug. 29, at 8:33 a.m. EDT during a two-hour window.

NASA's Artemis II Mission Launch

Artemis II STEM Learning Pathway
1

Free



Supercharge your registration with the Artemis II STEM Learning Pathway—a handpicked collection of NASA's most inspiring, pick up and go STEM resources tailored for learners of all levels. This exclusive add-on delivers a three-part series of content straight to your inbox:

- Launch Week: Excite your students with rocket content and activities.
- Mission Week: Dive into the action with spacecraft content and activities.
- Splashdown Week: Explore the teams and technologies surrounding splashdown and recovery.

Each week's content is flexible—use them as standalone activities or mix and match to fit your needs. Plus, stay in the loop with live mission updates and surprise bonus content if there's a delay in the countdown!

[See less](#)

Powered by  Eventbrite

Language: English (US) ▾

[Register](#)


✕

Order summary

1 x Artemis II STEM Learning Pathway	\$0.00
Total	\$0.00

32,885 STEM Learning Pathway



Learning Pathway Weekly Themes and Format



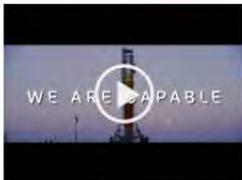
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LEARN



Artemis II: We Are Capable

NASA's [Space Launch System](#) rocket and [Orion](#) spacecraft stand ready to usher in a new chapter of exploration. Now fully assembled at Kennedy Space Center in Florida, SLS and Orion will soon launch on the uncrewed [Artemis I](#) mission around the Moon, paving the way for astronauts. Artemis I represents a new generation of spaceflight and opportunities for you and your students to be a part of history.



NASA Delivers the Most Powerful Moon Rocket

Learn about the custom barges, cargo planes, and trains that delivered the large parts of the Artemis I rocket to NASA's Kennedy Space Center in Florida. The individual pieces of the Space Launch System were assembled at KSC to form the rocket that will send Orion to the Moon on the historic Artemis I mission.

VIEW



Light But Strong: A Lesson in Engineering for Grades K-5

Design and build a mobile launcher platform that is light enough to be moved to the launch pad, but strong enough to hold the weight of the rocket.

3 Weekly Themes:

Launch Week: Rocket content and activities

Mission Week: Spacecraft content and activities

Splashdown Week: Splashdown and recovery activities

User-Friendly Format:

View: Exciting videos to energize your audience

Learn: Explore hands-on activities

Try: Engage in space-themed art projects

Pursue: Discover aerospace careers

Bonus: Keep the fun going with more bonus activities



Send Your Name Around the Moon!





ARTEMIS





BOARDING NOW

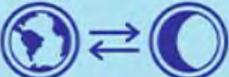


National Aeronautics and Space Administration

M2M2026238900AII

BOARDING PASS: ARTEMIS II

PATRICIA MOORE



 <p>ROCKET SLS (SPACE LAUNCH SYSTEM)</p>  <p>SPACECRAFT ORION</p>	<p>LAUNCH SITE KENNEDY SPACE CENTER, FLORIDA</p> <p>DESTINATION AROUND THE MOON</p>
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COMMANDER: REID WISEMAN
PILOT: VICTOR GLOVER

MISSION SPECIALIST: CHRISTINA KOCH
MISSION SPECIALIST: JEREMY HANSEN

MILEAGE EARNED: 685,000 MILES

3.6 Million



NASA MOON CREW





NASA MOON CREW



How to Show Us Your #NASAMoonCrew

- Post your chosen crew members to your preferred social media platform
- Don't forget to use the hashtag #NASAMoonCrew!
- If a #NASAMoonCrew post catches our attention, we may share your post on our NASA social media accounts or during the Artemis II mission coverage. [Terms and guidelines here](#)

Want to Take It to the Next Level?

- With "Expert Mode," your crew is limited to four people total, and you need to assign Artemis II roles (commander, pilot, etc.) to each of your crew members. Don't forget to name your spacecraft! (The Artemis II crew named their spacecraft Integrity.)



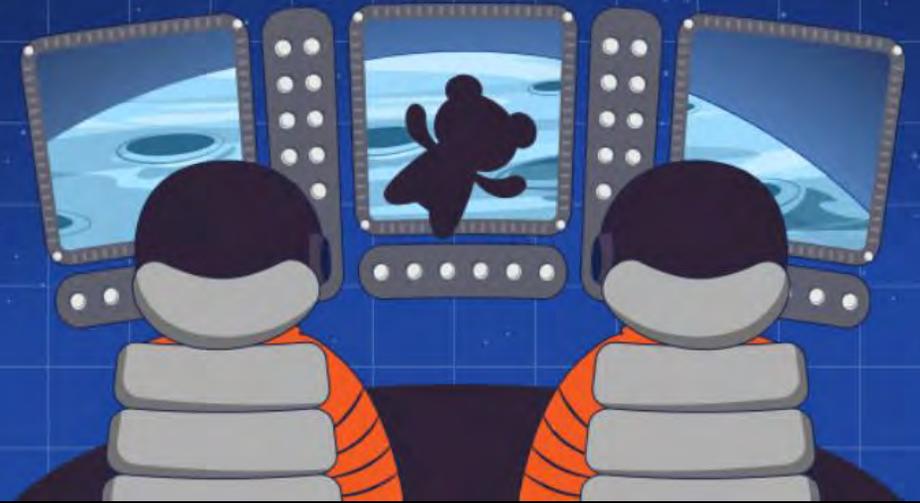


Moon Mascot



MOON MASCOT

NASA ARTEMIS II ZGI DESIGN CHALLENGE



- Between Mar. 7 and Jun. 16, 2025, NASA received thousands of submissions from over 50 countries.
- The Artemis II crew selected their favorite from the finalists on Sept. 8, 2025.
- The Thermal Blanket Lab fabricated the the zero gravity indicators. There will be two copies — one for communication purposes, one for flight.
- The crew will unveil zero gravity indicator during the crew arrival press conference at KSC.
- The zero gravity indicator will stowed inside the crew cabin and be captured during live media events.



Kennedy Space Center Visitor Complex



Artemis Exhibit in Atlantis Building

- 7,000 square foot exhibition
- Opens L-3 through L+1, 9:00-5:00 (2/6 launch date)
- Opens L-4 through L+1. 9:00-5:00 (2/7 – 2/11 launch date)
- Seven zones along the Artemis story path highlight the crew, mission, programs, and next steps for Artemis



Artemis SME Chats in Journey To Mars Theater

- Artemis II SMEs provide short 15-20 min talks followed by 10-15 min of audience Q&A
- L-4 through L-1 (11:00-4:00 on the hours)



Industry SME in Gateway Building

- Amentum, Boeing, L3 Harris, Lockheed Martin & Northrop Grumman
- L-3 through L+1, 9:00-5:00 (2/6 launch date)
- L-4 through L+1. 9:00-5:00 (2/7 – 2/11 launch date)





Artemis II Live Coverage



24/7 Live Coverage From Tanking to Splashdown/Recovery

- Coverage begins at tanking appx L-10 hours
- NASA en Español : 1h 30 min, starting at L-90 min and finishing minutes after launch
- Compressive mission coverage during major mission moments like Launch, Burns, Prox-Ops, TLI, Lunar Fly by, PAO events, Entry, Splashdown





Artemis II Live Coverage



- Launch, lunar flyby, splashdown events will be streamed live as standalone events to flagship YouTube, Facebook, X, Twitch, Instagram Live, NASA+, and external platforms such as Amazon Prime, Netflix, Peacock, and Hulu. The launch broadcast will also be available in Spanish.
- There will be two 24/7 YouTube streams on flagship: One will include tanking, launch, lunar flyby, splashdown, and all daily news conferences. The other will be Orion camera views.
- The KSC Newsroom YouTube channel will also stream rollout and pad views until launch.
- All briefings will be streamed to flagship X and YouTube.
- During live coverage, CTAs will include “Use the hashtag #NASAMoonCrew to share who you would take with you on a trip around the Moon” and “Tag @NASAArtemis to submit your questions.”



Artemis II Mission Availability February - April



Launch Window Opening				Launch Window
Local Date	Local Time	UTC Date/Time	Lighting (Rise/Set)	Duration (Mins)
02/06/2026	09:41:00 PM EST	02/07/2026 02:41:00	3.58 Hours After Sunset	120
02/07/2026	10:46:00 PM EST	02/08/2026 03:46:00	4.65 Hours After Sunset	120
02/08/2026	11:20:00 PM EST	02/09/2026 04:20:00	5.20 Hours After Sunset	120
02/10/2026	12:06:00 AM EST	02/10/2026 05:06:00	5.96 Hours After Sunset	120
02/11/2026	01:05:00 AM EST	02/11/2026 06:05:00	5.99 Hours Before Sunrise	120
03/06/2026	08:29:00 PM EST	03/07/2026 01:29:00	2.05 Hours After Sunset	120
03/07/2026	08:57:00 PM EST	03/08/2026 01:57:00	2.51 Hours After Sunset	120
03/08/2026	10:56:00 PM EDT	03/09/2026 02:56:00	3.48 Hours After Sunset	120
03/09/2026	11:52:00 PM EDT	03/10/2026 03:52:00	4.40 Hours After Sunset	120
03/11/2026	12:48:00 AM EDT	03/11/2026 04:48:00	5.36 Hours After Sunset	115
04/01/2026	06:24:00 PM EDT	04/01/2026 22:24:00	1.28 Hours Before Sunset	120
04/03/2026	08:00:00 PM EDT	04/04/2026 00:00:00	0.30 Hours After Sunset	120
04/04/2026	08:53:00 PM EDT	04/05/2026 00:53:00	1.17 Hours After Sunset	120
04/05/2026	09:40:00 PM EDT	04/06/2026 01:40:00	1.95 Hours After Sunset	120
04/06/2026	10:36:00 PM EDT	04/07/2026 02:36:00	2.87 Hours After Sunset	120
04/30/2026	06:06:00 PM EDT	04/30/2026 22:06:00	1.86 Hours Before Sunset	120

Go Artemis!!



Questions?



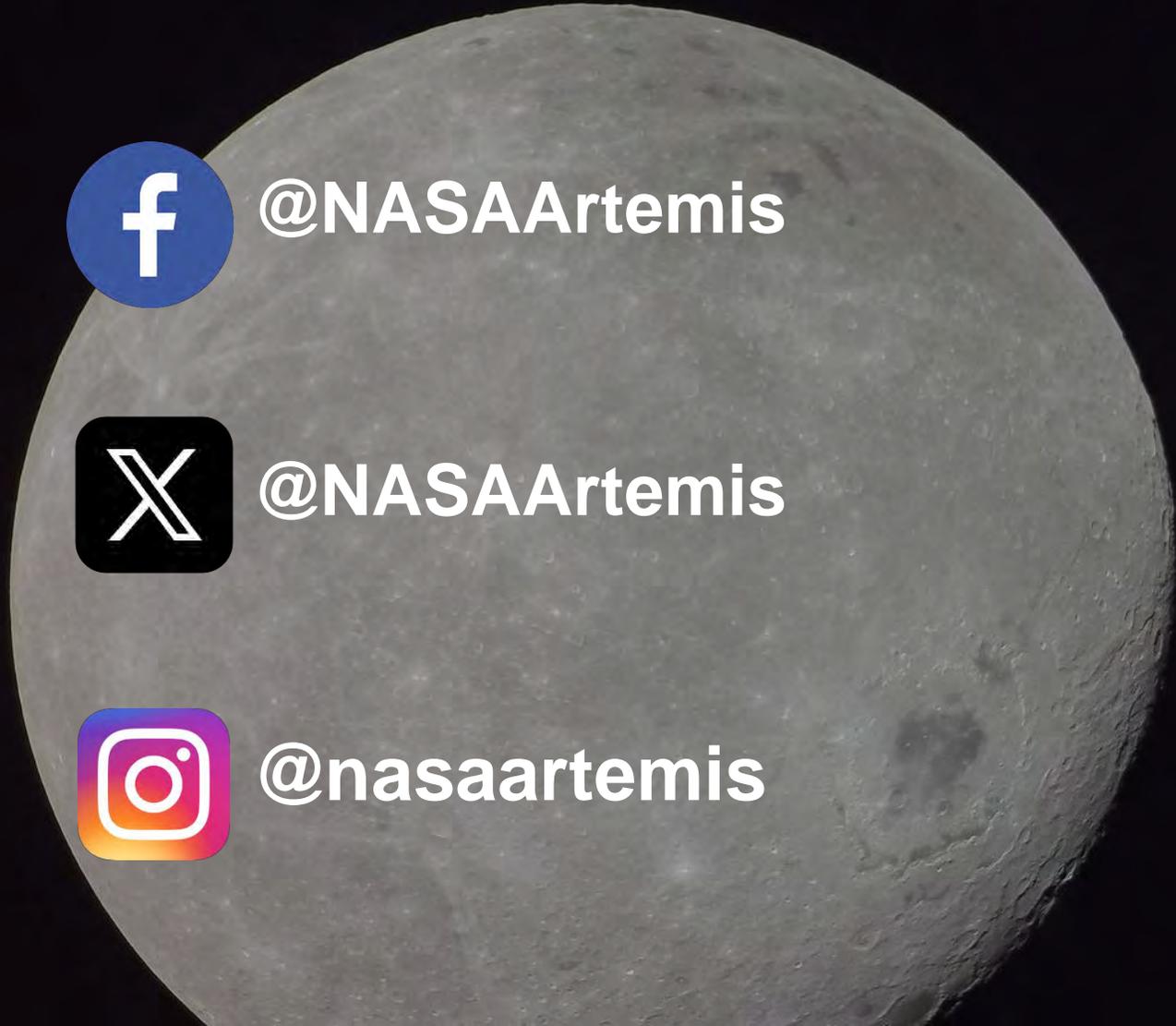
@NASAArtemis



@NASAArtemis



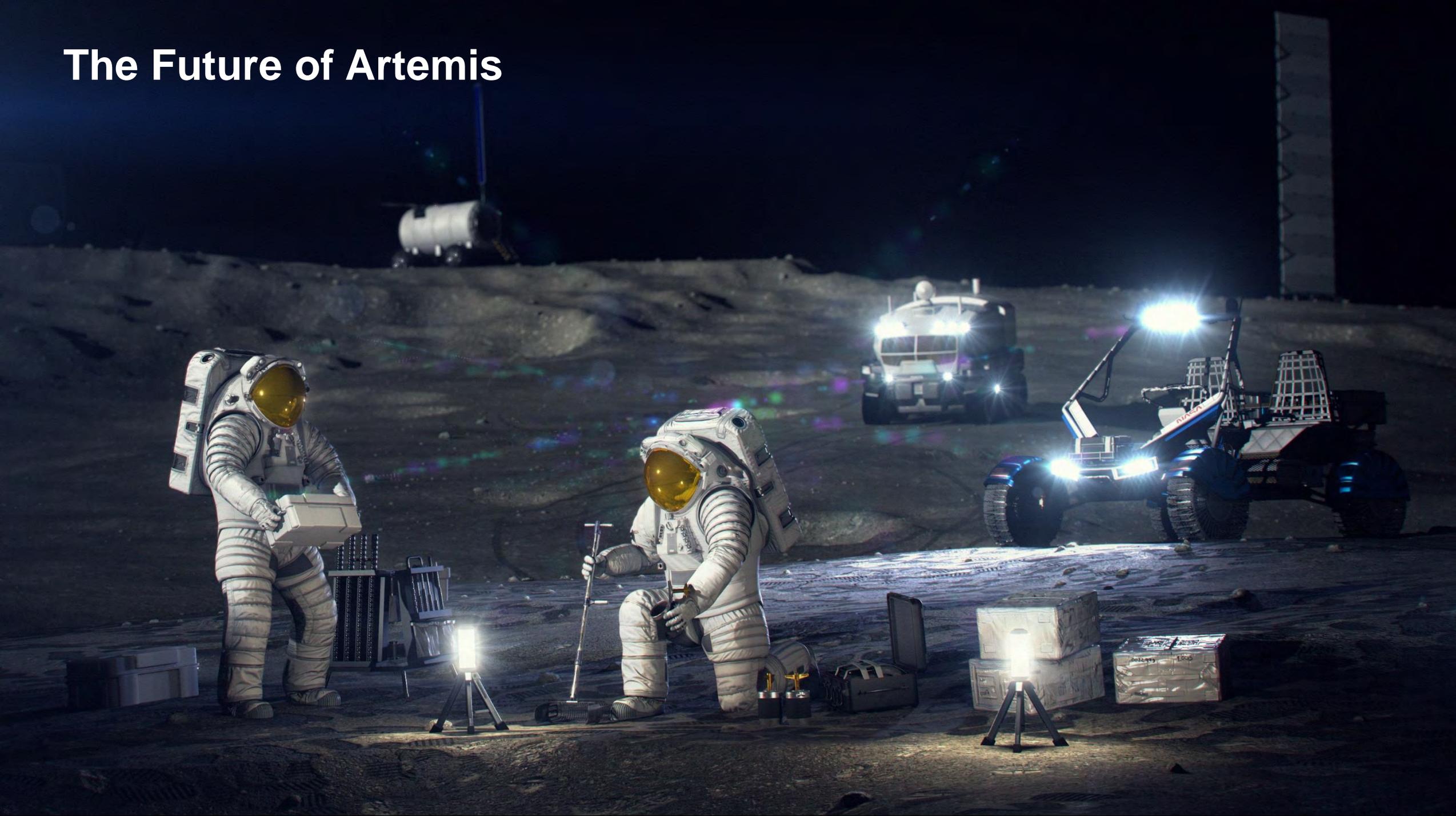
@nasaartemis

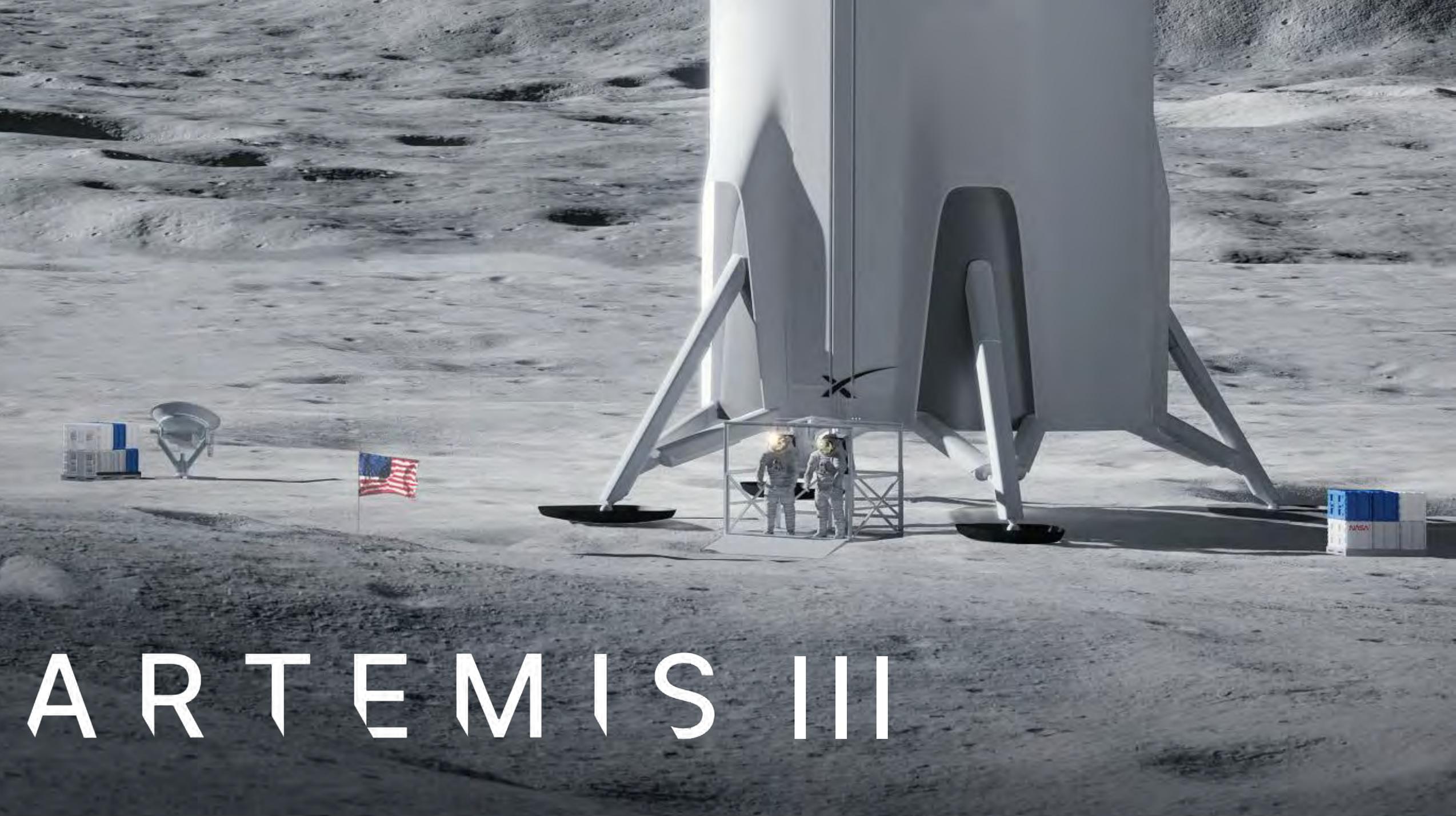




Back Up Slides

The Future of Artemis

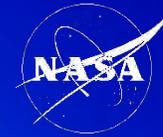




ARTEMIS III



Artemis III Progress



Orion Power-On and Testing



Core Stage Assembly and Testing



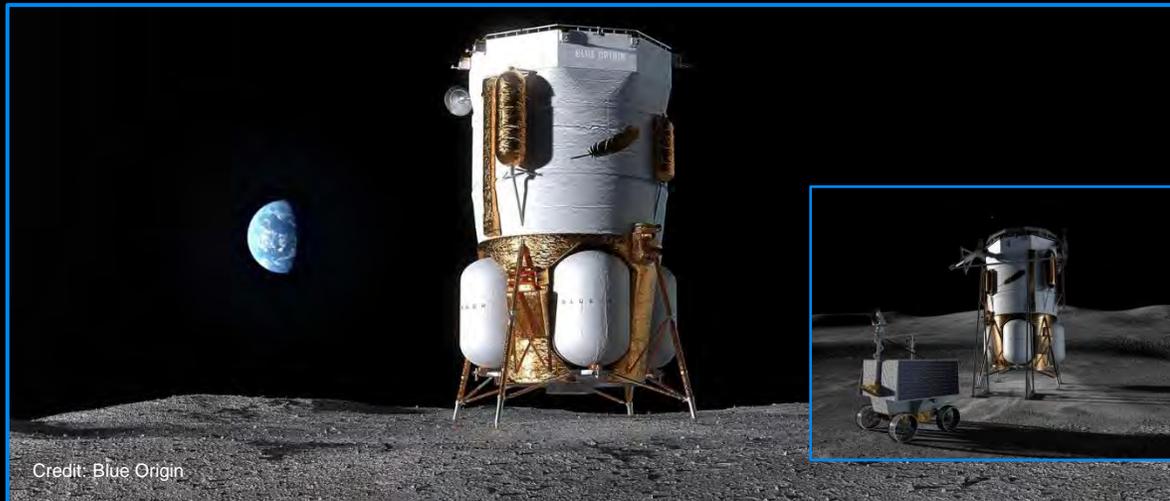
Spacesuit Testing and Astronaut Training



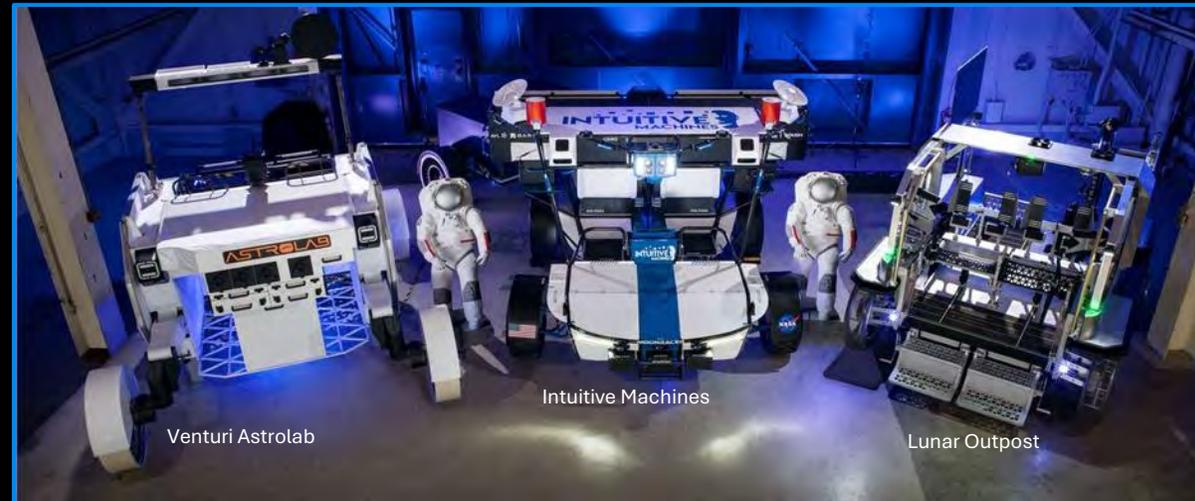
Starship Test Flights



Ongoing Progress



Credit: Blue Origin



Venturi Astrolab

Intuitive Machines

Lunar Outpost



Credit: Firefly Aerospace

