

# CITIZENS FOR SPACE EXPLORATION



## America's Journey to the Moon... and Beyond!

### Who We Are

American taxpayers, community leaders, and university students committed to continued national investment in space exploration.

**LAUNCH** the Artemis I mission hardware including the spacecraft (Orion), heavy-lift rocket (Space Launch System-SLS), and supporting exploration ground systems to send humans on deep space missions beyond Low-Earth Orbit (LEO) to the Moon and on to Mars. Continue production of the Artemis II-VI systems and beyond to prepare for annual missions to the Moon throughout the decade.

**FINISH** the development and begin use of the Exploration Upper Stage on SLS, launch support equipment for SLS Block 1B, Gateway components, and the Human Landing Systems. These systems will enable the Artemis III mission to return Americans to the lunar surface safely and a sustainable Moon and Mars program into the future.

**UTILIZE** the International Space Station (ISS) as a world-class laboratory. Codify NASA's extension of the ISS mission to 2030 to conduct research and science that is critical to deep space exploration and sustaining human presence in space. The ISS is critical to the development of commercial activities in LEO.

**SUPPORT** NASA's commercial crew and cargo transportation to the ISS to ensure U.S. human launch capabilities and a full crew on-board the ISS.

**PROVIDE** robust funding to allow NASA to achieve these objectives and continue its role as an economic driver for the U.S.

### Robust American Investment

**in space exploration is needed at a time when other countries are rapidly expanding their space programs.**

### Exploration Benefits America's Future



#### LEADERSHIP

Ensures national security and America's preeminence in space



#### EDUCATION

Promotes Science, Technology, Engineering, and Math (STEM)



#### INNOVATION/JOB

Stimulates new high-tech industries, creating hundreds of thousands of high-skilled, well-paying jobs



#### HEALTH CARE

Advances medical-related and life science research

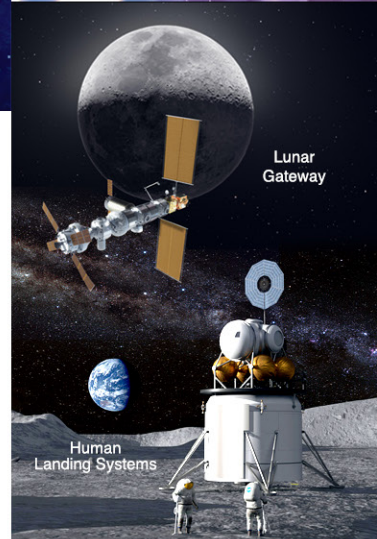


#### QUALITY OF LIFE

Generates life-changing benefits from space technology

**All of this for less than 1/2 a penny of every dollar spent on the federal budget.**

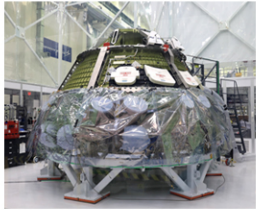
### America's Artemis Program Systems



[www.citizensforspace.org](http://www.citizensforspace.org)

# Charting a New Future in Spaceflight: We Are Going!

America has made significant progress in manufacturing, testing, and launching key components of the Orion spacecraft, Space Launch System, commercial vehicles, as well as more scientific work aboard the ISS, all of which are helping make the Artemis program and deep space exploration possible.



Orion Artemis II Crew Module Assembly at NASA KSC



SLS Mobile Launcher



SLS Core Stage Green Run Tests Critical Systems For Artemis I



Successful Orion Abort Motor Test (Utah)



Resource Development aboard the ISS



Boeing Starliner Orbital Flight Test-2



Orion Artemis III Spacecraft at O&C Building (NASA KSC)



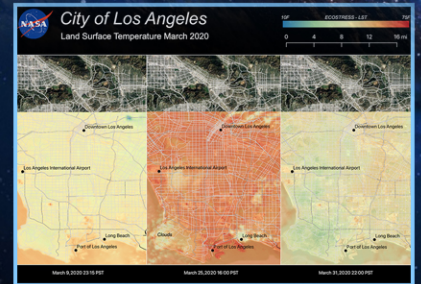
Artemis I Rolled Out to Launch Pad 39B for Wet Rehearsal



SLS RS-25 Engine Testing Complete & Four Flight Engines Installed on Artemis 1 Core Stage



## International Space Station: The Decade of Results



Mounted on the outside of the station, ECOSTRESS has been used to reduce heat absorbed by city streets, reduce fire risk in forests, help farmers efficiently water their crops, and more

Studies are testing if higher quality optical fibers used for ultra-high-speed broadband communications could be made in microgravity, which could help low-Earth orbit become the commercial manufacturing location of these fibers

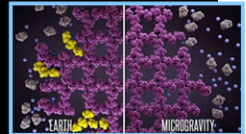


Materials testing in the harsh environment of space will benefit a variety of industries including aerospace, automotive, energy, transportation, and aeronautics



Scientists adapted the ADVASC system tested on station for air purification on Earth. Companies now use this technology in air purifiers effective in eliminating the SARS-CoV-2 virus

Proteins crystallized on the station helped create a treatment for Duchenne Muscular Dystrophy, currently in a Phase 3 clinical trial



NASA and General Motors reconfigured the hand-like part of Robonaut into a commercially available device to help auto workers avoid fatigue and injury

## China's Space Program

### A Challenge to U.S. Leadership

China is aggressively developing its heavy lift capabilities to send humans to the Moon and beyond, significantly advancing its ambitions to become the predominant, global leader in space.

**"... [to] build China into a space power is our eternal dream."**

China's President Xi Jinping  
"China's Space Program" White Paper, January 2022

**"China has made their goals very clear – to take away space superiority from the United States."**

Pam Melroy  
NASA Deputy Administrator – May 2021

**"[China] considers itself to be in a space race with the United States—a race it intends to win."**

"China's Space and Counterspace Capabilities and Activities" Report – March 2020

**"... the ability for China to exponentially grow their counterspace capability is scary."**

Rear Adm. Michael Bernacchi  
U.S. Space Command – July 2021

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**LIFE ON EARTH**  
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