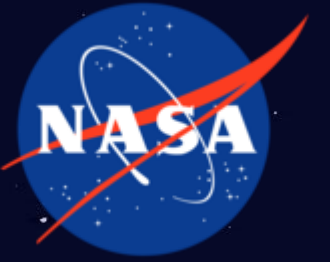
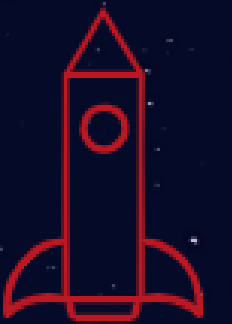


What to know about...



# NASA's Commercial Crew Program



#LAUNCHAMERICA



# THE NASA VISION

The NASA vision of commercial human spaceflight to low-Earth orbit is a robust, vibrant enterprise with many launch providers and a wide range of government and public uses.



Watch [Commercial Crew: Prepare for Launch](#)



# How does it work?



NASA collaborates with private industry and sets the safety and mission requirements. These companies **design, build** and **own** their systems for human spaceflight.

**NASA works closely** with companies to develop crew transportation systems that can safely, reliably and cost-effectively carry humans to and from low-Earth orbit.

Companies are **free to design** the transportation system they think is best, while meeting NASA's pre-determined set of **requirements**.

The companies are **encouraged** to apply their most efficient and effective manufacturing and business operating techniques throughout the process.

The **partnership** approach allows NASA engineers insight into a company's development process, keeping the agency's technical expertise and resources accessible.



# Who are the commercial partners?



**BOEING**

**Spacecraft:** Starliner

**Launch Vehicle:** ULA Atlas V

**Launch Pad:** Space Launch Complex 41

**Landing:** Western United States



**SPACEX**

**Spacecraft:** Crew Dragon

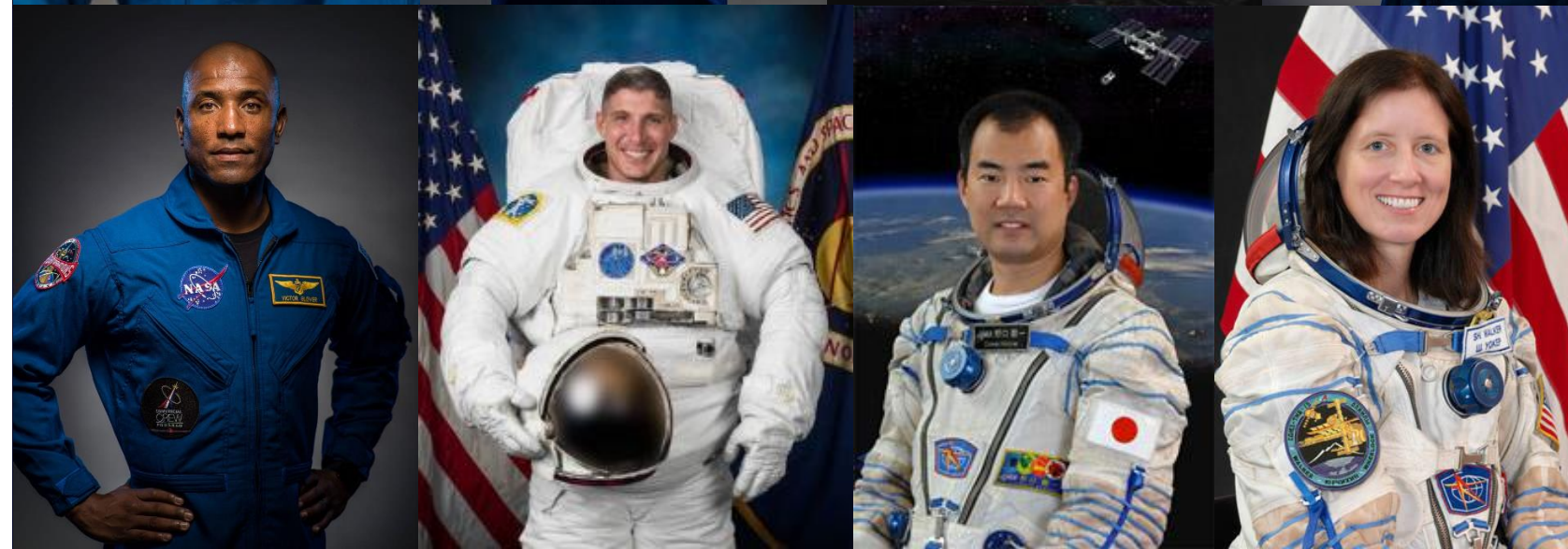
**Launch Vehicle:** Falcon 9

**Launch Pad:** Launch Complex 39A

**Landing:** Atlantic Ocean



# The Crew



## BOEING CREW FLIGHT TEST

Mike Fincke  
Chris Ferguson (Boeing)  
Nicole Mann

## BOEING FIRST POST CERTIFICATION MISSION

Josh Cassada  
Suni Williams

## SPACEX DEMONSTRATION-2

Bob Behnken  
Doug Hurley

## SPACEX FIRST POST CERTIFICATION MISSION

Victor Glover  
Mike Hopkins  
Soichi Noguchi  
Shannon Walker





# What are the benefits?



## **REGULAR AND RELIABLE TRANSPORTATION**

Commercial crew spacecraft will offer regular, reliable crew transportation to and from the International Space Station returning human launches to the US.



## **PARALLEL PATH**

The agency's work to turn over low-Earth orbit astronaut transportation to commercial companies allows NASA to use other resources for Artemis missions as we go forward to the Moon and on to Mars.



## **MICROGRAVITY RESEARCH**

These integrated spacecraft and launch vehicles will carry up to four astronauts at a time on NASA missions, with the goal of helping maintain a crew of seven to increase scientific research time on the orbiting laboratory.



# Connect



## LAUNCH KIT

Host your own "Watch Party" during the upcoming CCP launches with the Launch Kit resources at [nasa.gov/stem/ccplaunchkit](https://nasa.gov/stem/ccplaunchkit)



## CCP NEXT GENERATION STEM

Check out activities developed for the Commercial Crew Program at [nasa.gov/stem/ccp](https://nasa.gov/stem/ccp)



## NASA STEM ENGAGEMENT

Explore all of the opportunities and resources available through NASA's Office of STEM Engagement at [nasa.gov/stem](https://nasa.gov/stem)