



Virtual Learning

Aerospace Engineering

NASA

April 30, 2020



Aerospace Engineering

Lesson: April 30, 2020

Objective/Learning Target:

Students will learn about the history of NASA.



Bell Work:

What do the four letters in NASA stand for?

Let's Get Started:

Watch Videos:

- [What is NASA for?](#)
- [NASA | Exploration Mission-1 – Pushing Farther Into Deep Space](#)

NASA

NASA stands for National Aeronautics and Space Administration. NASA was started on October 1, 1958, as a part of the United States government. NASA is the U.S. government agency that is responsible for science and technology related to air and space.

The Space Age started in 1957 with the launch of the Soviet satellite Sputnik. NASA opened for business on Oct. 1, 1958. The agency was created to oversee U.S. space exploration and aeronautics research.



NASA

NASA does a lot of different things. NASA makes satellites, sends probes into space and, studies things in the solar system and even farther away.

NASA's Headquarters is in Washington, D.C. There are 10 different NASA centers across the United States. There are also seven smaller NASA work places where they test and study Earth and space.

Thousands of people work for NASA. Astronaut are probably the best-known jobs at NASA, but they make up just a small part of the workforce. A lot of engineers and scientists work for NASA. Other jobs with NASA include secretaries, writers, lawyers and even teachers.



NASA

Many people know something about NASA's work, but very few probably have any idea about how many different things this agency does. Astronauts in orbit conduct scientific research. Satellites help scientists learn more about Earth. Space probes study the solar system and beyond. New developments improve air travel and other aspects of flight.

NASA is also beginning a new program to send humans to explore the Moon and Mars. The agency shares what it learns so that its information can make life better for people worldwide.



NASA

When NASA started, it was for program of human spaceflight. The Mercury, Gemini and Apollo programs helped NASA learn about flying in space and resulted in the first human landing on the Moon in 1969. Currently, NASA has astronauts living and working on the International Space Station.

NASA's robotic space probes have visited every planet in the solar system. Telescopes allow scientists to look at the far depths of space. Satellites have revealed a wealth of data about Earth, resulting in information like a better understanding of weather patterns.

NASA has also helped develop and a variety of cutting-edge aircraft. These aircraft include planes that have set new records. These tests have helped engineers improve air transportation.



NASA Understanding

1. What does NASA stand for?
2. When did NASA officially begin work?
3. Why was NASA created?
4. Why is Alan B. Shepard famous?
5. Who was the first American to circle the Earth?
6. Who became the first person to walk on the moon?