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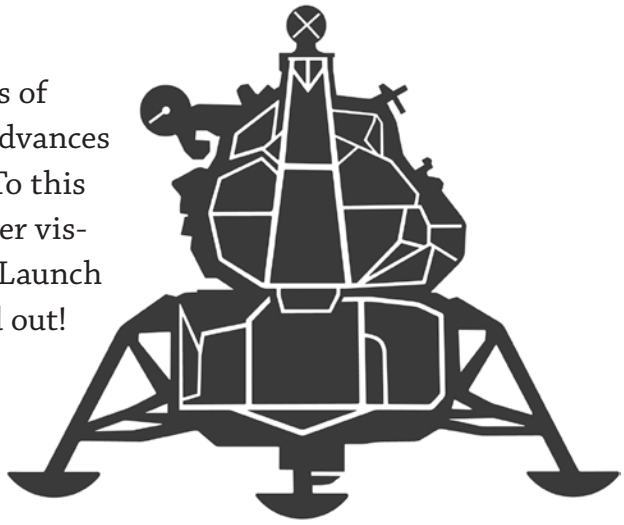
Moon Landing



For centuries, people have dreamed of exploring the wonders of space. In the mid-1900's, these dreams were realized when advances in technology allowed people to send spacecraft into space. To this day, the moon is the only object in space that people have ever visited. How much do you know about the first moon landing? Launch off on a webquest to explore the first moon landing and find out!

First, log onto **www.worldbookonline.com**
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Find It!

Find the answers to the questions below by using the "Search" tool to search key words. You can start this activity by searching the key word "Apollo" and learning about the space program that carried people to the moon.

Write the answers on the lines provided or below the question.

1. During which years did NASA conduct the Apollo program?

2. How many astronauts did the Apollo program land on the moon?

3. Fill in the blanks about the first moon landing:

   a. The first moon landing occurred on _____.

   b. The first two astronauts to step on the moon were _____ and _____.

   c. The first astronauts landed on a flat feature of the moon called the _____.

4 Answer the following questions about the two major Apollo disasters:

   a. What happened on January 27, 1967?

   b. What happened on April 14, 1970?

***Users of the *Advanced* database can find extension activities at the end of this webquest.**

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5. Answer the below questions about the Saturn 5 rocket which propelled the astronauts to the moon?

   a. How tall was the rocket?

   b. How much did the rocket weigh?

   c. The rocket carried a craft that consisted of what three parts?

6. Over the course of the Apollo program, the astronauts collected a total of about _____ pounds (_____ kilograms) of rocks and other samples.

The Moon

Go to the "Moon" article and answer these questions about Earth's only natural satellite.

7. The moon's average radius is _____ miles (_____ kilometers), about_____ percent of the radius of Earth.

8. The average distance from the center of Earth to the center of the moon is _____miles (_____ kilometers).

9. The temperature at the moon's equator ranges from about_____ at night to _____ in the daytime.

10. What did the Luna 3 spacecraft do in 1959?

11. In 2009, the U.S probe LCROSS confirmed the presence of _____ near the moon's south pole.

12. In 2013, which country became the third country (after the Soviet Union and the United States) to safely land a craft on the moon?

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Neil Armstrong

Go to the "Neil Armstrong" article and answer these questions about the first person to set foot on the moon.

13. Neil Armstrong was born on _____ in _____.

14. Armstrong flew 78 combat missions during which war?

15. When did Armstrong make his first space flight? What notable "first" occurred on that flight?

16. What did Armstrong say when he first stepped onto the moon?

Buzz Aldrin

Go to the "Buzz Aldrin" article and answer these questions about the second person to set foot on the moon.

17. Buzz Aldrin was born on _____ in _____.

18. What was Aldrin's original name? How did he get the name "Buzz"?

19. What did Aldrin do during the Gemini 12 space flight in 1966? What did his experience help prove?

Michael Collins

Go to the "Michael Collins" article and answer these questions about this Apollo 11 astronaut.

20. Michael Collins was born on _____ in _____.

21. What did Collins do during the Apollo 11 mission?

22. What did Collins do from 1971 to 1978?

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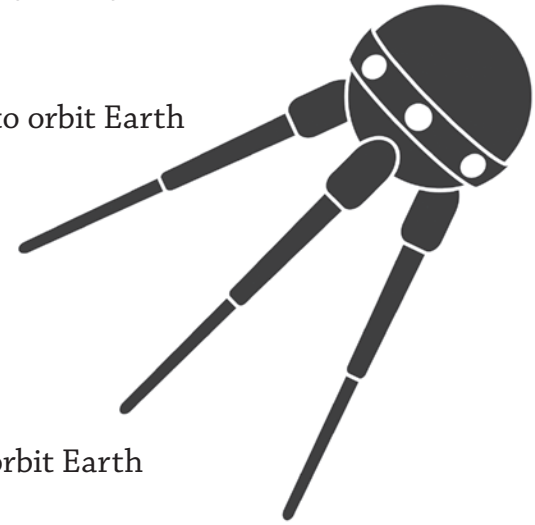
Space Firsts

Neil Armstrong was the first person to walk on the moon. Go to the "Space exploration" article and find these other space firsts.



_____ 23. First artificial satellite to orbit Earth

_____ 24. First person in space

_____ 25. First woman in space

_____ 26. First U.S. astronaut to orbit Earth

_____ 27. First person to walk in space

_____ 28. First American to walk in space

_____ 29. First female commander of the International Space Station

_____ 30. First probe to make close observations of Pluto

_____ 31. First astronauts to drive across the moon's surface

Watch It!

Within the "Space exploration" article, you will find the video "Space exploration: Apollo 11." Watch the video and answer the following questions.

32. From where did the Apollo 11 astronauts blast off on July 16, 1969?

33. What was the name of the module that separated from the command module and landed on the moon?

34. What did Neil Armstrong and Buzz Aldrin do while they were on the moon?

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Extension Activity 1

Imagine that you could interview one of the Apollo 11 astronauts. What three questions would you ask him about the Apollo 11 mission? Explain why you asked him those questions. How do you think he will answer your questions?

Extension Activity 2

Assuming that you could safely travel anywhere in the solar system, where would you go? Why did you choose that place or places? What do you expect to see? Would you go if you knew that you could never return to Earth?

Read more about space exploration and the moon by visiting World Book's eBook collection:

Earth and Earth's Moon. Chicago: World Book, 2013. Explore the Solar System. *World eBook* Web. 11 Jan. 2019. <http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-1893-5/detail.do>.

Human Space Exploration. Chicago: World Book, 2013. Explore the Solar System. *World eBook* Web. 11 Jan. 2019. <http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-1896-6/detail.do>.

Stargazing to Space Travel: A Timeline of Space Exploration. Chicago: World Book, 2013. A Timeline of ... *World eBook* Web. 11 Jan. 2019. <http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-3554-3/detail.do>.

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