



MISSION TO THE MOON!



Be a space explorer and prepare to blast off to the moon with our mini astronaut adventures

MESS RATING
3

ShAre.
What personal items couldn't you leave earth without? Send us a picture of you holding them. Turn to page 3 for details

DID YOU KNOW?
There are two types of moon craters? Impact craters, which are formed by asteroids or comets colliding with the moon's surface, and volcanic craters, which are created by powerful volcanic explosions underneath the surface.

WHAT WOULD YOU TAKE?
Space is tight on spacecrafts and in space stations, so you need to travel light! Only pack the essentials.



Photos: Education Images/UIG / Getty Images

Activity

CREATE A MOONSCAPE

Suitable for Cubs and Scouts

You will need

- sand and flour
- a tray
- small pebbles
- little pieces of rock
- larger pebbles

Instructions

- 1 Ask your young people to pour the sand into the tray and gently shake it to even out the surface. Then sprinkle a layer of flour on top.
- 2 Next, get your section to take turns carefully dropping the pebbles and pieces of rock onto the tray to make their very own craters. These rocks and pebbles are acting as

BALLOON MOON

Blow up a balloon into a round shape. Mix together a whole bottle of glue and 1½ cups shaving cream, spread the mixture over the balloon and leave it to dry. When it's dry, suspend it from the ceiling and enjoy the moon!

asteroids and meteoroids. Asteroids are large bodies of rock in orbit around the sun, while meteoroids are smaller rocks or particles.

- 3 Now ask your section to smooth out the sand and drop the larger pebbles – how does the size of the rock alter the size of the crater? Now drop them again but this time dropping them from different heights. What impact does this have?

BUILD A MOON BASE
Construct your own lunar living quarters out of newspaper – download instructions from scouts.org.uk/ukspaceagency

TIME NEEDED

30 minutes

BADGE



The UK Space Agency partners the Scout Astronautics Activity Badge

PARTNER



OUTCOMES

This activity will give your section the opportunity to explore the formation of craters on the moon, as well as consider what it must be like to live in space.

TAKING IT FURTHER

What will your astronauts study once they have reached the moon? What data will they compile, what will they be researching?

MORE INFORMATION

The UK Space Agency is working with The Scout Association to provide resources which leaders can use to introduce young people to the exciting and growing world of space engineering and space science. They have created these fantastic resources to navigate Scouts through the complex world of space exploration. Visit scouts.org.uk/ukspaceagency.

MOON MISSION GUEST LIST

It's not just about the astronauts... here's just some of the team needed to make it mission possible:



RESEARCHER

Finds out everything from the right food to feed the astronauts to looking at cosmic radiation and atmosphere



ENGINEER

Designs and plans everything from rockets to space suits and habitation



GROUND CONTROL

Ensures the smooth running of the space ship



GEOLOGIST

Studies rock particles and other findings



CHEF

Prepares all of the food needed for a space mission