



Autumn Term Topic

Mountaineers, Balloonists, Pilots and Astronauts

Moon Zoom

CRASH! What's that in the playground? Let's go outside and take a look. Stand back everyone – it looks like a UFO has crash landed. Find out who might have landed by exploring the craft and investigating scattered scientific specimens. Create a 'Welcome to Earth' box for an alien explorer. What can you put in it to help explain what life is like on our planet? Would you like to be an astronaut? You'll need a pretty sturdy spacecraft if you do. Start off small by making an air-propelled rocket. How far can you make it travel? Find out the names of the planets. There's Mercury, Neptune, Mars and – do you know any others? I've forgotten the rest. Then, an alien is found. Can you help get him home? It's got the experts in a right kerfuffle. Professor Pong doesn't know what to do. Are you ready for take off Year 1? Hold tight. 5, 4, 3, 2, 1... LIFT OFF!

Activities you may like to do at home;

1. Find out and write down the names of the planets in our Solar System. Place them in order, based on their distance from the Sun.
2. Choose your favourite planet from our Solar System. Find out six interesting facts about it. Tell an adult your interesting facts.
3. Create a planet using paints, chinks, collage etc and bring it in to show us!
4. With adult supervision, use the internet to find out and record the names of five people who have travelled into space. Have any of the people that you have chosen walked on the Moon?
5. Look out the window or go outside and see how many stars you can see. Can you count them? Look at the moon what does it look like?

6. Wood, plastic, metal, glass, water, rock, paper, foil and fabric are all materials that are found on Earth. Can you find things around the house that are made of the different materials?

Useful words • absorbent • opaque • soft • bendy • rigid • stiff • dull • rough • stretchy • hard • shiny • transparent • not waterproof • smooth • waterproof

6. Lunar roving vehicles are used to travel on the Moon's surface. Use a range of materials to make a model of a lunar vehicle. Draw and label a diagram of your lunar vehicle to show what materials you have used for each part and the materials' properties.

You can do all of them or choose the ones that you find most interesting.

Useful websites

BBC Bitesize – Earth and Space

BBC Bitesize – The Moon

NASA – Space Place – Solar System

BBC Bitesize – Materials

Materials Kiddle – Astronaut facts for kids

Good reads

Space (First Fabulous Facts Ladybird 9780723288534

Look Inside: Space Rob Lloyd Jones 9781409523383

Materials Anne Giulieri 9781474792714

Experiments in Material and Matter with Toys and Everyday Stuff Natalie Kim Rompella 9781474703567 7.

