Practical activity ideas

Note for the teacher - If your children need to review their learning, you can use these activities to support them.

Virtual reality space tour

The resources needed for this activity include access to tablets or computers and the internet.

Activity: Utilising virtual reality apps or platforms, children can experience a space tour where they 'visit' the Moon and observe its position about the Earth and other celestial bodies, including those that orbit it, such as artificial satellites. This immersive experience will help solidify their understanding of the Moon's place in the solar system.

Podcast creation

The resources needed for this activity include access to tablets or computers and the internet.

Activity: In small groups, children will create a short podcast series discussing the Moon, its orbit, and the largest objects that orbit it. Each episode can focus on different topics, such as the history of Moon exploration or the significance of lunar satellites.

Orbital mechanics with Lego

The resources needed for this activity include Lego (or similar).

Activity: Using Lego blocks, children will build models to represent the Moon, Earth, and a satellite that orbits the Moon. They can demonstrate how different forces affect the orbits and discuss what maintaining a stable orbit means in terms of distance and speed.

Role-playing planetary orbits

The resources needed for this activity include access to research materials (e.g. tablets or computers and the internet), pens and paper.

Activity: Children will engage in a structured debate on the importance of exploring celestial objects that orbit the Moon. They will research their arguments, focusing on the benefits of studying these objects, and employ technology to create visual aids, such as slideshows, to support their points.