



Space Explorer

Three weeks of outer space fun for the activity badge.

How to earn the badge

1. We live on a planet called Earth. Work together to find out more about what planets are. You could explore what Earth looks like from space,
2. Have you ever spotted the moon in the sky?
Explore what the moon looks like and how it changes over time.
3. Lots of brave explorers (called astronauts) have travelled to space.
Try some activities to discover what their journeys are like. What would you like to know about astronauts? You could build your own rocket, eat space food or dress up as an astronaut.



Programme Planner – Week 1

Arrival	Colouring - Spaceman
Story	Goodnight Spaceman
Activity	Phases of the Moon Biscuits
Activity	Space Top Trumps
Game	Spaceman's Coming

Programme Planner – Week 2

Arrival	Colouring - Planets
Story	There is an Alien in your Book
Activity	Block Rockets
Activity	Planet Ball

- Shopping List:**

 - Paper Plates
 - Biscuits (4 each)
 - Icing Sugar
 - Building Blocks
 - Sticky Tape (lots)
 - Scissors
 - Cola small & 2ltr Bottles
 - Mento Sweets

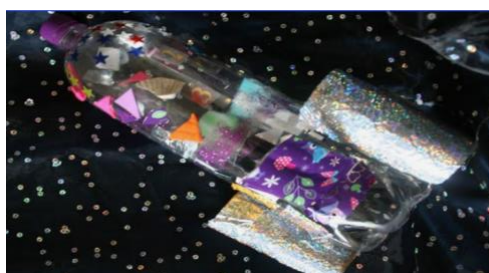
Printing:

 - Colouring Sheets

From District:

 - Top Trump Games
 - Planet Balls
 - Solar System Puzzle

Note: there is also a Space Projector that can be used.



Programme Planner – Week 3

Arrival	Colouring - Rockets
Activity	Junk Model Rockets and Space Stations
Activity	Coke and Mento Rockets

How to run each part of the programme:

Phases of the Moon Biscuits

Prep: Mix the icing into a firm liquid.

Introduction Talk: The Moon is the only natural satellite of the earth.

The Moon is 400 times smaller than the Sun and also 400 times closer to the earth than the Sun.

How: Using the information sheet as a guide, make some images of the phases of the Moon using biscuits and icing. Display on a paper paper, making sure you name each plate.

Spaceman's Coming

How: Participants all take part in a "follow-the-leader" game and moves slowly around the room. Explain the moves before starting the game.

When different space commands are given by the adult, everyone must move in the following special ways:

Spaceman's coming - Everyone must freeze and pretend to float in slow motion.

Comet's coming - Everyone crouch down low and wiggle their arms behind them like a tail.

Alien - Everyone make a silly face and put two fingers on top of their head like antennae.

Blast off - Everyone jump up high and shape their arms into a rocket triangle over their heads.

Meteor shower - Everyone must quickly dive to the floor and cover their heads.

Block Rockets

How: Participants all create their own rocket using Duplo or similar Mega Blocks.

Everyone stands their rocket on the "Space Station" table.

Planet Ball

Introduction Talk: *The solar system consists of eight planets orbiting the Sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune, they are categorized into four inner terrestrial rocky planets and four outer giant planets (gas and ice).*

These planets vary in size, composition, and distance from the Sun.

How: Participants stand in a circle. Set the solar system puzzle up in the middle of the circle and one by one place the planets on the model, naming each.

Explain that a planet ball is going to pass across the circle so that everyone catches the ball once (to help this everyone will hold up a hand until they have caught the ball once) and everyone must remember who they passed the ball to and who passed the ball to them.

The ball must be thrown under-arm.

Once everyone is familiar with the "pattern" more planet balls are added to the game.

The aim is to play with all eight planets!

Junk Model Rockets

Prep: Ask all Participants to bring a bag of clean recycling to the meeting.

How: Participants make models of Rockets using rubbish and sticky tape, making sure adults are helping when using scissors.

Coke and Mento Rockets

Prep: Watch this video for instructions ahead of the meeting:

<https://www.youtube.com/shorts/fh5Zg1i47q0>

How: Participants stand to watch the demonstration outside of the building. Only adults place the sweets into the bottle and then move to stand clear.

