

Exploring Space : Topic Enrichment Pack : Year 1/2

	Learning Objective	Overview	Assessment Questions	Resources
ART Lesson 1	To understand how to shape and join clay.	In this lesson, children will learn some basic techniques for shaping and joining clay. They will also have a chance to use some clay tools to add pattern and texture. They will practise these skills in isolation first and will then design and make their own alien figure using the skills they have acquired.	<ul style="list-style-type: none"> Can the children shape clay using their hands with precision and control? Can the children use the correct method to join clay? Can the children use clay tools to add pattern and texture to their work? 	<ul style="list-style-type: none"> Slides Clay 500g per child approximately Clay boards Clay tools Rolling pins Alien Design Sheets 1A/1B/1C Alien Picture Cards (FSD? activity only)
ART Lesson 2	To design and make a space-themed clay tile picture.	Children will learn what relief means and they will design a space-themed clay tile which shows at least one element of relief. They will then apply the skills they learnt in the previous lesson to make their clay tile.	<ul style="list-style-type: none"> Can the children join clay together correctly? Can the children produce a high-quality design with annotations? Can children evaluate their own and each other's work? 	<ul style="list-style-type: none"> Slides Design Sheets 2A/2B/2C Ideas Page Clay (approximately 500g each) Clay tools Rolling pins Planet Cards (FSD? activity only)
ART Lesson 3	To use chalks to create a planet picture.	In this lesson, children will firstly find out about the planets of the solar system. They will look at images of them and identify any colours and shapes / patterns they can see. They will then use circular templates and chalks to create a picture of the planets on black paper.	<ul style="list-style-type: none"> Can the children blend chalks together? Can the children use a template correctly? Can the children layer chalks? 	<ul style="list-style-type: none"> Slides Black paper (black sugar paper is ideal) Circle Templates Planet Sheet
DT Lesson 1	To design and make a moon buggy.	Children will learn about the lunar rover that was created as part of the Apollo missions. They will then design their own new Moon buggy and construct it using junk modelling materials.	<ul style="list-style-type: none"> Can the children produce an annotated design? Can the children join materials together appropriately? Can the children evaluate their work? 	<ul style="list-style-type: none"> Slides Design Sheet 1A/1B/1C Junk modelling materials Sticky tape, masking tape, glue. Moon Buggy Card (FSD? activity only)
DT Lesson 2	To design and make a moving space picture.	Children will learn how to make sliders and lever mechanisms to create moving pictures. After practising these techniques in isolation, they will then design and make their own moving space picture.	<ul style="list-style-type: none"> Can the children make a simple sliding mechanism? Can the children make a simple lever mechanism? Can the children produce an annotated design? 	<ul style="list-style-type: none"> Slides Design Sheet 2A/2B/2C Card, paper, paper fasteners, colours, glue.

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GEOGRAPHY Lesson 1	To use compass directions to describe and follow routes.	Children will help the friendly alien characters fly their spacecraft through an asteroid field to safety! They will learn how to describe and follow routes on a grid using the four compass directions. At the end of the lesson, children will describe routes on a map to each other and they will try and guess the planet they have travelled to.	<ul style="list-style-type: none"> • Can the children remember the four compass directions? • Can the children follow a route using the four compass directions? • Can the children describe a route using the four compass directions? 	<ul style="list-style-type: none"> • Slides • Worksheets 1A/1B/1C • Map Sheets 1A/1B/1C • Spacecraft Cut-Out • Route Cards (FSD? activity only) • Map Sheet 1D (FSD? activity only) • Worksheet 1D (FSD? activity only)
GEOGRAPHY Lesson 2	To use and create maps to locate the Kennedy Space Center.	Children will learn about the Kennedy Space Center and will find out that it is in North America. They will locate North America on a world map and will then look more closely at a map of Florida to locate its precise location in Cape Canaveral. They will apply their understanding of the four compass directions to describe the location of the Kennedy Space Center in relation to other places in Florida.	<ul style="list-style-type: none"> • Can the children name and locate the world's continents? • Can the children use maps to locate the Kennedy Space Center within the USA? • Can the children use maps to answer questions about the location of the Kennedy Space Center? 	<ul style="list-style-type: none"> • Slides • Worksheets 2A/2B/2C • Worksheet 2D (FSD? activity only)