

Space

Year R EYFS

Spring

Project Overview

During our Space project we learn about planet Earth and we begin to think about our place in the solar system through this space topic. We explore the different planets and their position relative to the sun. We learn about how the Earth orbits the sun to give us night and day and the seasons. Looking at videos from the International Space Station the children learn about how astronauts cope with life with little gravity. The second half of our project focuses more around fiction relating to aliens. The children discover that an Alien spaceship has crash landed at school, leaving behind a trail of alien slime and a strange creature. The children are challenged to design a rocket or space ship to send it back to space. They follow instructions to draw aliens and, inspired by Holst's Planet Suite, draw space images on black sugar paper.

Communication & Language Listening, Attention & Understanding

- Listening to instructions to draw an alien without seeing it, then comparing it to the original picture.
- Learn and practise new vocabulary from Space powerpoint
- Listening to Space stories such as 'Aliens love underpants', 'Whatever next'.
- Using the talking book to record facts about space to go with space pictures.
- Learning about life on the International Space Station through videos.
- Enhanced Provision: Space role play, small world planet landscape

Personal Social Emotional Development Self-regulation Managing self Building Relationships

- Begin to learn about our global responsibility to look after our planet
- After discovering an Alien on the school field we talk about how it must be feeling.
- Collaborating on creating spaceships using materials of their choosing.
- Work in pairs to create space pictures using oil pastels.
- Enhanced Provision: Small world planet landscape and space role play.

Physical Development Gross Motor Skills Fine Motor Skills

- Using tools to combine materials to make space rockets.
- Using tools such as oil pastels for art work and pencils for writing.
- Enhanced provision: Exploring gloop with tools. Making aliens with shiny playdough and other resources. Pegging stars onto washing line (in space) on funky fingers and/or threading 'floating' astronauts above a planet. Space rockets on tap tap boards and light boxes

Understanding the World Past & Present People, Culture & Communities The Natural World

- Watching videos of astronauts on the International Space Station to learn about life there and think about how it is different to live on Earth.
- Learn that we live on Earth. Learn that the Sun gives us light and warmth and that the Earth goes around the sun. Discussing gravity, the equator, orbits of planets, day and night, and seasons
- Looking at and discussing space rocket and shuttle launches and how space travel has changed over time
- Learning about space missions e.g. Lunar Landing through videos and books.
- Learn about what the word International means (ISS)
- Find out about Neil Armstrong as one of our Important People
- Learning about the Sun and the planets in our solar system.
- Longitudinal study: Seeing how the 3 areas in our school have changed with the seasons.
- Enhanced Provision: Magnets in the investigation station, light box making rockets. Space dust in sand tray with planets behind - discovering planets, planning journey using map of solar system

RE

Creation: Making a class tableau or frozen images of animals or places in the world. Reading and discussing the creation story. Children draw and label four of their favourite things in creation. They also sequence the story using pictures, create collages of each day and watch the online creation story.

Computing

- Programming Beebots with algorithms. The Beebots are space rockets and the children have to get them to different planets in the solar system.

Maths Number & Numerical patterns

- Maths lessons - recognition of numbers to 10, adding 1 to numbers 0-9, composition (number bonds) of numbers to 10, subitising numbers 1-5, learning about odd and even numbers 1-10, recognising and naming 2D shapes and recapping 3D shapes, finding 2D shapes within 3D shapes.
- Space rocket addition sentences, solve the addition problem and land on planet with the answer.
- Enhanced Provision: Recognising the numeral on stars and matching with the right number of gems. Adding two numbers / groups together using the gems or numicon to support. Ordering stars on the washing line, 3D and 2D light box shape rockets. 3D shape rocket construction. Investigating weight of space rocks (foil covered items). Space rocks (pebbles) matching to a numeral.

Literacy Comprehension Word Reading & Writing

- Listening to and discussing fiction and non-fiction books about Space including 'Q Pootle 5'.
- Using their sounds to write a list of things they would take to space.
- Visit the library and scan out books to take home.
- Group phonics lessons continue. For more information see the phonics card in your child's reading diary.
- Guided Reading sessions focusing on sound out, red words, finger tracking, blending and comprehension of the text.
- Enhanced provision: Writing a letter to Q Pootle, writing Astronaut identity badges and an Astronaut passport.

PE

Journey to the Blue Planet: The children go on a space adventure. They mimic each others movements, create spaceships with their bodies and move slowly like astronauts. They work on their jumping, forwards; backwards, side to side and if confident move onto quarter turns.

Expressive Arts and design Creating with Materials Being Imaginative & Expressive

- Create a space rocket design with resources of their choice -such as junk modelling, lego, wooden blocks etc to send the alien we found, Little Purple, back home.
- Draw and design own aliens with their fun partner.
- Following instructions to draw an alien.
- Drawing oil pastel space pictures to music.
- Enhanced provision: Making own space station controls, creating astronaut badges with lanyards, hole punches and scissors. CDs and tin cans to build space stations/ ships in construction area. Shape rockets on the light box. Painting planets. Space pictures - black paper and oil pastels.

Music

OUR WORLD 1 'Lovely Day' 3' Listen to Mars - Holst'
Learn new songs and play instruments along to music