

Year 6

Destination – Out of this world!

Activities

English

Class book - Science fiction genre 'Boy in the Tower'

Guided reading comprehensions

Mnemonics to remember order of planets

Newspaper report – focus on Tim Peakes

Diary entries of an astronaut.

Description piece looking at an alien

Maths

Distances of planets from the Sun

2d shapes – look at diameter, radius circumference and area.
Use of π

Orbits and spiral project linked to outer space and planets.

COMPUTING

Research into one planet – postcard and non-chronological report.

Green screen report from space – life on a space station.

Children will use Scratch to program a space themed animation or game.

They will learn how to edit photographs to create a hoax alien landing image.

Music

Holst – the Planet Suite

Listening/appreciation -space themed music

Space themed songs

Humanities

Timeline of space travel

History of UK space travel.

Report on planet Earth

Art/DT

Artist study of Peter Thorpe

Scratch board piece of work in his style.

Pastel piece of art work in his style.

Life Size Rockets

Freeze frame picture using the rockets

Science

Order the planets

Create a factfile on the planets

Act out /Draw a diagram showing the orbit of the sun, earth and moon and label with key information about size, shape and movement.

Activities looking at the movement of the moon and phases.

Investigation /Diagram explaining Why we have day and night.

Investigations into how astronauts survive in space.

English

Skills covered on English plans.

Maths

Ma6/2.1a read, write, order and compare numbers up to 10 000 000

Ma6/2.1c use negative numbers in context, and calculate intervals across 0

Ma6/3.2d illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius

COMPUTING

Co2/1.1 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts

Co2/1.2 use sequence, selection, and repetition in programs; work with variables and various forms of input and output

Co2/1.3 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

Co2/1.5 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

Co2/1.6 select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

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Objectives

Humanities

Ge2/1.1c identify the Prime/Greenwich Meridian and time zones (including day and night)

Ge2/1.3a describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains,

Hi2/2.2 Extended chronological study

Pupils should be taught a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066

Art/DT

Ar2/1.1 to create sketch books to record their observations and use them to review and revisit ideas

Ar2/1.2 to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials

DT2/1.1b generate, develop, model and communicate their ideas through discussion

DT2/1.2b select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

DT2/2.1a understand and apply the principles of a healthy and varied diet.

Science

Sc5/4.1a describe the movement of the Earth, and other planets, relative to the Sun in the solar system

Sc5/4.1b describe the movement of the Moon relative to the Earth

Sc5/4.1c describe the Sun, Earth and Moon as approximately spherical bodies

Sc5/4.1d use the idea of the Earth's rotation to explain day and night, and the apparent movement of the sun across the sky.

Sc6/1.1 planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

Sc6/1.2 taking measurements, using a range of scientific equipment, with increasing accuracy and precision

Music

Mu2/1.1 – 1.6 Holst composer focus, singing, listening and appreciation of music