



To Infinity and Beyond!

Year 5

Autumn 2025



Rationale for Learning

This term we shall be focusing our learning on space, the universe and the solar system. We shall be developing our scientific skills to research, identify and understand the planets and their features. We shall be completing a range of experiments to help the children learn about forces of gravity, air resistance, friction and centrifugal forces.

We will be using a range of non-fiction books and technology to support our research and learning.

Suggested activities for families to help support learning

Regular times tables practice up to and including the 12 times table – everyone should have a log in for Times Table Rock Stars.

The children are set spellings to learn in class each week. To complement their learning the spellings will be shared on SeeSaw; the children each have a Spelling Frame log in they can use at home if they wish to.

Every child should be reading at home for at least 15 minutes every day. Children still enjoy being read to so try to allow some time for this regularly. An audio book at bedtime or in the car is a great way of listening to a wonderful range of books.

There are so many fascinating things to learn about space. We enjoy hearing new facts that the children have discovered in their own time and would love to display them on the walls in the classrooms, so send them in!

Homework will be set for maths and English via SeeSaw on a Monday and should be uploaded by the following Monday. It will be responded to during the week.

Key Vocabulary: solar system, planet, the sun, moon, stars, galaxy, universe, gravity, orbit, asteroid, meteorite, gases, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, dwarf planet, satellite, vacuum, comet, astronaut, space shuttle.

Reminders

Our **P.E. days** are Wednesday and Thursday. As the weather gets colder, please remember to send in jogging bottoms and a jumper for outdoor PE.

Friday 10th October: 1960s/1970s History Day. The children come to school dressed in a 1960s/1970s style costume for an immersive history day. Please let us know if you have any artefacts of the time that you would be able to loan us for the day.

We are planning a topic related trip for later in the term, more information will follow soon.



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Study Unit Overview

Mathematics

Place value – including decimals to 2dp and negative numbers

Addition and subtraction

Multiplication and division

Area and perimeter

Statistics

Art

Studying the work of Peter Thorpe and recreating pieces in his abstract style

Fashion design (surface and colour)

Computing

Research and publishing

Digital literacy basics

We are game developers

English

The features of the Sci-fi genre

Writing Sci-fi stories

Non-fiction research and writing

Space Poetry

Newspaper Reports



RE

Hinduism

Christianity

Geography

Using digital mapping technology

The Earth

Science

Earth and Space

Research Skills

Investigation Skills

Forces

Light

PE

Gymnastics Football

Hockey Tag Rugby

Music

Planet Raps

Composing and performing a piece of music inspired by Holst's Planet Suite and a focused planet study carried out in science.

French

School and classroom vocabulary

The planets

E4S: Education for Safeguarding

Worries

Empathy

Self Esteem and Wellbeing

Online Safety and Behaviours