



## To Infinity and Beyond!

Year 5

Autumn 2023



### **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. Activities to complete will be set weekly on Mondays.

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 weekly via SeeSaw on a Monday (from week 4) and should be uploaded by the following Monday. It will be responded to during the week. In addition to their reading and TTRS, the children will be set two to three short tasks that consolidate learning from the previous week's learning.

**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 Tuesday and Thursday. As the weather gets colder, please remember to send in jogging bottoms and a jumper for outdoor PE.

**Friday 13<sup>th</sup> 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**

Planet art with water colours

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

#### **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**

Fitness

Handball

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