

# Year 5 Spring Term 1 Out of this World



Maths

We will be adding and subtracting fractions as well as mixed numbers. We will move onto refining our written multiplication skills and how to multiply 4 digit by 1 digit numbers, 2 digit by 2 digit numbers, 3 digit by 2 digit and 4 digit by 2 digit numbers. We will explore how we can put these methods to effective use in order to solve problems. After, we will be looking closely at the method of division, including division with remainders. We will then spend some time multiplying fractions and calculating fractions of quantities.

Daily fluency sessions will also develop our rapid recall and fluency in number facts and calculation. Please do make use of the TT Rockstars app to reinforce fluency of times tables.



## Understanding Arts and Culture

**Music:** We will be exploring the topic of Space through music. We will be creating Music to accompany videos and performing our own songs, raps and poetry. We will listen to and appraise the Planets Suite.

**Art:** We will be exploring light and shadow and how we can create detailed compositions of the Moon and the planets.

## Understanding the World

**History:** We will be investigating the history of space travel as well as the lives of significant astronauts including Tim Peake, Neil Armstrong and Chris Hadfield.

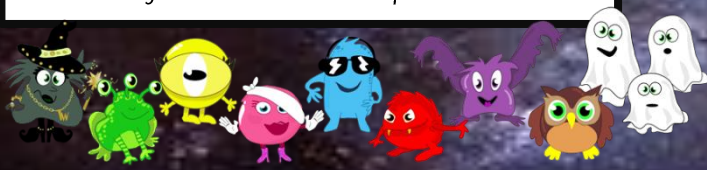
**RE:** We will be exploring sacred spaces, particularly in Christianity and Judaism. We will learn how prayer extends beyond these places and what it means to belong to a faith community.

**Spanish:** We will be developing our vocabulary to talk about and describe the weather.

## Understanding Science and Technology

**Science:** We will be learning about Earth and Space. We will find out about evidence which tells us that the Sun, Moon and Earth are approximate spherical bodies. We will be Describing the movement of the Earth, and other planets, relative to the Sun in the solar system by examining the geocentric and heliocentric theories. We will be able to explain day and night and the apparent movement of the sun across the sky. We will investigate night and day in different parts of the Earth.

**Computing:** We will be looking at Vector Drawing and learning how to manipulate shapes, lines and colour to create our own images.



## English

We will be studying the features of biographical writing, looking closely at the book 'The Darkest Dark' by Chris Hadfield. We will use this knowledge to write our own biographies about him.

We will also be reading a range of rich texts that link to our topic. In Guided Reading, we will be exploring the book 'Odd and the Frost Giants' by Neil Gaiman.

We will continue to follow our Superhero Spelling scheme and continue to use Monster Phonics to reinforce our understanding of sounds.



## Understanding our Health and Well-Being

**PE:** We will be developing our skills in badminton and Gymnastics. We will also all have a half term set of sessions working with Stevenage Borough FC on their Joy of Movement program.

**PSHE:** Our topic this half term is Dreams and Goals where we will be reflecting on our own as well as those of people from different countries and cultures.



*"Learn. Believe. Achieve."*

*Our School Values: Resilient, Persistent, Self-Motivated, Risk-Takers, Creative, Good Citizens, Entrepreneurial*

*Dear Parents/Carers,*

*Welcome back! ! We hope you had a peaceful Christmas break and are ready for what is set to be another busy and productive half term full to the brim with fun and exciting activities!*

*Our topic this half term will be 'Out of this World.' It will centre around our scientific learning of 'Earth and Space.'*

*We will be exploring knowledge and key skills across the curriculum under the exciting theme that this topic gives us including how the planets move, how we know the Earth is round, the history of space travel and the life of significant space explorers such as Tim Peake and Chris Hadfield.*

*Weekly homework will be set inside your child's orange home learning book or via one of our online learning platforms, such as Education City. Spelling words will also be located inside the orange book. We would encourage you to please spend some time at home each week practising the spellings and times tables/maths strategies we are working on in class. Please also read together with your child every day as it really does make such an enormous difference to their ability to read with fluency, confidence and understanding; reading records should be in book bags daily. PE Kits should be in school every day as timetabling can change due to unpredictable weather.*

*Please use your class email address to contact your child's teacher if you have any questions.*

*Thank you,*

*Miss Palmer, Mr Brown and Mrs Hill*