

# Star Gazers

Exploring space is probably the greatest adventure that humankind has ever undertaken. Are we alone or are there other life forms out there? This term we'll journey through space and navigate beyond the sun: the magnificent, blazing start at the centre of our Solar System! We will read information texts to find out about the Solar System and the Sun. We'll make a Solar System and investigate the cycle of day into night. We'll learn about Galileo, the 'father' of modern astronomy and his famous astronomical discoveries. Taking on the roles of the planets, we'll use movement to demonstrate the motions of the planets and moons.



# Year 5

As **Readers** we will apply all of our reading skills to a variety of non-fiction texts to discover more about space. We will also use our reading skills as we read our class text, 'Northern Lights' by Phillip Pullman.

As **Writers** we will be using our trip to the Space Centre as inspiration for a recount. We will then learn about the features of a newspaper and become reporters in the 'Star Wars' universe. Using persuasive techniques, we will write leaflets advertising tourism to space.

As **Geographers** we will be looking at aerial images of the earth and describing how physical and human processes give the Arctic its unique characteristics, including the melting of the ice-caps.

As **Technologists** we will begin to programme toys to explore moon terrain, by producing algorithms. We will also combine materials to create our own rockets and create a timeline showing how the design of the rocket has developed over time.

As **Artists** we will be examining 'Starry Night' by Vincent Van Gogh and explaining how it makes us feel. We will then use paint application techniques to create our paintings showing mood and atmosphere.

As **Musicians** we will be listening to different songs inspired by space and using musical vocabulary to explain why they might have been composed. We will also explain how different musical elements have been used to create mood and effect.

Confident individuals	Responsible Citizens	Successful learners
<b>Basic Skills - Communication (reading, writing, speaking and listening)</b>	<b>Thinking Skills and Personal Capabilities</b>	<b>SMSC</b>
<p>We will become effective communicators by using a range of techniques, forms and media to convey information and ideas creatively and appropriately. We will take part in debates, discussions and presentations - learning to respect the views of our peers.</p>	<p>We will seek every opportunity to develop our ability and willingness to:</p> <ul style="list-style-type: none"> <li>Be independent</li> <li>Be imaginative</li> <li>Be collaborative</li> <li>Be focused</li> <li>Be motivated</li> <li>Persevere</li> <li>Be reflective</li> <li>Be curious</li> </ul>	<p>Embedded throughout our topic are opportunities to explore and develop concepts and values on moral dilemmas. We will have a sense of empathy and appreciation with others; having time to reflect on how other's experiences differ to our own. We will make responsible and reasoned judgments and share our views and opinions confidently and respectfully.</p>

## Summer Term

# Year 5 Learning Journey

### P.E.:

Our theme across all our P.E. lessons this term is empathy and self-belief.

Our outdoor PE lessons this term will be athletics where we will develop our technical understanding of athletic activity. We will learn how to set targets and improve our performance in a range of running, jumping and throwing activities.

Our games lessons this term will focus on net and wall games, where we will learn about sending objects towards a target area that an opponent is defending. The aim is to cause the object to land in the target area while making it difficult for the opponent to return the object.



### Maths:

This term, we will focus on decimals, shape, position and direction, converting units and calculating measure.

We begin by building on our knowledge of decimals from the previous term by recognising and writing decimal equivalents of any number of tenths or hundredths. We also find the effect dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths. We then apply all of this knowledge to a variety of problems.

As we move onto learning about the properties of shape, we learn that angles are measured in degrees as we estimate and compare acute, obtuse and reflex angles. We then draw given angles and measure them in degrees. We learn to use the properties of rectangles to deduce missing lengths and angles. We also identify 3-D shapes from 2-D representations.

We then convert between different units of metric measure and estimate volume and capacity.



### Science:

This term, we will begin by learning about earth and space. We will look at work of Galileo. We will learn about gravity: what causes it and how it changes. We then learn about the eight planets of the solar systems and their moons.

After half-term, we will learn about light and sound. We explain day and night using the earth's rotation, correct terminology and a model. We then explain how the earth's position affects day length. We investigate shadows in relation to times of day and explain why the sun appears to move across the sky. Finally, we identify through investigation if and how light and sound travel through space.



### Spelling

In spelling, we continue to learn about different homophones and how to spell words from the Y5/6 national curriculum. We also look at words with the silent letter b. We continue to learn about different word endings, including words ending in -ibly, -ably and -tious. We also look at the 'ee' sound spelt ei.

### PSHE:

This year we are continuing to learn about how we can be good friend to each other and manage our own emotions through our weekly sunshine circles. We will also learn about how to respect and tolerate those who hold different beliefs to us, through debates and discussions.

### RE:

In RE we are learning about stories of faith. We read different stories from the bible and look at what we can learn from them. We then think about which stories are especially wise for us.

