

<p><b><u>Science</u></b></p> <p>In our topic Earth and Space, we will be finding out how the Earth, and other planets, orbit the sun. We will look at evidence to support the fact that the Earth, sun and moon are roughly spherical. We will also look at the relationship between the Earth and the sun to understand how we have day and night.</p> <p>In the second half of term, we will study forces. We will consider the effects of air resistance, water resistance and friction that act between moving surfaces. We will investigate different mechanisms, including levers, pulleys and gears, to find out how they allow a smaller force to have a greater effect.</p>	<p><b><u>Writing</u></b></p> <p>In writing, we will begin the term by writing a sci-fi adventure story based on the story, 'Cosmic'. We will then look at a non-fiction book called 'Mars Transmission' and write in the style of a journal. We will then return to narrative with the story 'One Small Step' as a stimulus and finally a persuasive text linked to sport and the text 'Kick'.</p> <p>Throughout each unit, there will be emphasis on careful vocabulary choice and continually re-capping and building on key sentence and punctuation skills.</p>	<p><b><u>Maths</u></b></p> <p>We will begin by developing our understanding of multiplication and division by using some formal written methods. We then spend several weeks learning about fractions, decimals and percentages and the relationships between them.</p> <p>There will be an ongoing focus on calculation and recall of multiplication facts. We spend time working on fluency and then apply our methods to solving problems in different contexts.</p>	<p><b><u>Reading</u></b></p> <p>Children will be continue to use the Accelerated Reader programme that we now have in school to help them to choose appropriate books that they can access. They complete quizzes online at the end of each book and earn points. During whole class reading sessions, we will deepen our understanding of different reading skills, focussing on one or two each day. We will look at the story 'Cosmic' and other space-themed texts across the term. Throughout, we will focus on developing vocabulary.</p>		
<p><b><u>Computing</u></b></p> <p>We will develop our understanding of digital media and learn to create vector drawings. We will combine this with our art to create a digital final piece of artwork. Later in the term, we will look at our first programming unit; looking at real-life uses of programming and then creating simple programmes ourselves.</p> <p>There will also be an on-going focus on e-safety.</p>	<p><b><u>Year 5 Spring Curriculum Overview</u></b></p> <p>In the Spring term, we will be led by our main science topic: Earth and Space. Although some subjects will be taught discretely, a lot of our learning will be connected to space exploration and our Solar system.</p> <p>Please note: plans may change according to the class' needs.</p>		<p><b><u>DT</u></b></p> <p>We will be exploring cams mechanisms and their uses. The children will follow the design process to come up with their own ideas for a design that uses linear to vertical motion, with a link to our space theme.</p>		
<p><b><u>Music</u></b></p> <p>First we will learning the song 'Make you feel my love' by Adele. Then we will learn 'The Fresh Prince of Bel-Air' (80s hip-hop). We will learn to sing the songs as well as play instruments alongside and even create our own raps. We will also listen to, and appraise, other songs in the same genres.</p>	<p><b><u>PSHCE</u></b></p> <p>Our Jigsaw themes are 'Dreams and Goals' and 'Healthy Me'. We will consider our future dreams and aspirations, the importance of money, jobs and careers. We will think about how to achieve our goals and consider our motivations.</p> <p>We will think about what makes a healthy lifestyle and the choices that we can make.</p>	<p><b><u>Art/DT</u></b></p> <p>During the first half of term our focus will be on drawing skills - considering line, tone and form. We will look at the abstract artist Peter Thorpe and his space-themed work, creating our own versions following his style.</p>	<p><b><u>French</u></b></p> <p>In the first half of term we will use the phrases 'big/small', 'I am/I am not. We will also learn to recognise and use different verbs in sentences. We will also sue more phrases to describe where something is.</p>	<p><b><u>PE</u></b></p> <p>As part of our PE provision, we will be doing gymnastics in the hall, with a focus on control and balance. We will also be playing Volleyball outside, learning about different ways to pass and return the ball. In the second half of term we will do Tri-golf outside and dance in the hall.</p>	<p><b><u>RE</u></b></p> <p>Our main question will be "Why is the Torah so important to Jewish people?" During this unit, we will learn about Jewish beliefs and how this affects the way they live their lives.</p> <p>We will also consider the question 'What does it mean if God is holy and loving?' from the Christian perspective.</p>