

<b>Essential Question: Does the Earth really move?</b>	<b>Year 5: Spring Term 2019-20</b>	<b>Visit: Planetarium</b> <b>Wow day – including astronaut training</b>
<b>Community Links:</b> Pet Respect – raising awareness in the community about treating animals with respect	<b>Enterprise Activity: (A) Business: Make £5 Blossom</b>	<p style="text-align: center;"><b>Earth and Space</b></p> 
<b>Key Outcomes</b>	<b>Key Outcomes</b>	<b>Key Outcomes</b>
<p style="text-align: center;"><u>Reading</u></p> <p style="text-align: center;"><b>Children will focus their Reading this term on:</b></p> <p style="text-align: center;">Frank Cottrell Boyce - Cosmic  Gary Crew - The Water Tower  Chris Van-Allsburg - Harris Burdick  William Shakespeare - Twelfth Night</p> <p style="text-align: center;"><b>They will also cover different text types:</b></p> <p style="text-align: center;">Newspaper Article  Songs</p>	<p style="text-align: center;"><u>Writing</u></p> <p style="text-align: center;"><b>Children will develop their writing through the following genres:</b></p> <p><b>Suspense and mystery story</b> –this narrative will be based on the class texts (The Water Tower and Cosmic), children will use this inspiration to write a story which builds tension, set in a haunted castle when a class go on a school trip.</p> <p><b>Biography</b> – linked to our Space Topic, children will write a Biography about the life of astronaut Tim Peake.</p> <p><b>Non Chronological Report</b>- Children will use their knowledge of Space to write a Non-Chronological report all about the Solar System. They will present their final draft as an information poster.</p>	<p style="text-align: center;"><u>Maths</u></p> <p style="text-align: center;"><b>Children will develop their skills in:</b></p> <p style="text-align: center;">Time  Decimals and percentages  Statistics  Volume and capacity  Translation and reflection  Roman Numerals</p>
<p style="text-align: center;"><u>Displays</u></p> <p style="text-align: center;">-Enterprise –Year 5 Enterprise work  -Geography –Year 5 Geography work  -MFL- Year 5 French work</p>	<p style="text-align: center;"><b>SMART Values/ Character Education</b></p> <p><b>Ambitious</b>- children will be ambitious when making as much money as possible in the £5 blossom project.</p> <p><b>Resilient</b> – Children will develop their resilience by challenging themselves across the curriculum with a particular focus on their suspense and mystery story.</p>	<p style="text-align: center;"><b>PSHE</b></p> <p><b>Dreams and Goals</b>- Children will learn about their dream lifestyle, investigate jobs and careers, their dream job. Why they would want it and the steps to get there, dreams and goals of young people in other cultures, how people can support each other and rallying support.</p> <p><b>Healthy Me</b> - Children will learn about smoking, alcohol, emergency aid, body image, their relationship with food and ‘healthy me’.</p>
<p style="text-align: center;"><u>Science</u></p> <p><b>Earth and space</b>  <i>Does the Earth really move?</i></p>	<p style="text-align: center;"><u>Art</u></p> <p><b>Painting</b>  <i>Children to create a ‘Space Scape’ using paint.</i></p>	<p style="text-align: center;"><u>Computing</u></p> <p><b>Online Safety ( Unit 5.1 ) C13</b>  <i>Children will share their knowledge and impact of internet</i></p>

<p>Describe the movement of the Earth and other planets relative to the sun in the solar system</p> <p>Describe the movement of the moon relative to the Earth</p> <p>Describe the sun, Earth and moon as approximately spherical bodies</p> <p>Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky</p> <p><b>Forces</b></p> <p><i>Why does the apple fall from the tree?</i></p> <p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces</p> <p>Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect</p> <p><b>(Test air resistance with parachutes and investigate the effectiveness of different parachutes)</b></p> <p><b>(Investigate how air resistance principles have influenced the development of air travel)</b></p>	<p>Pupils will paint a space-scape adding materials to paint to create texture. They will use paint, colour and brush techniques to create mood and also create different effects by scratching, splashing and applying paint in layers.</p> <p><b>RE</b></p> <p><b>Faith in Action (5:2)</b></p> <p><i>Children will compare with their own fundraising work (Enterprise) and will discuss the impact on others.</i></p> <p>Faith in Action builds on Unit 4.2 Saints and heroes, exploring various aspects of making a commitment, seeking out the religious commitment that often goes hand in hand with the admission of belief. Teaching will focus on giving reasons why Christians and Muslims often undertake charitable work and make sacrifices to benefit others.</p> <p><b>PE</b></p> <p><b>Basketball/ netball</b></p> <p><b>Badminton</b></p> <p><b>Football</b></p>	<p><i>safety to an audience.</i></p> <p>This unit continues to develop children's knowledge of how to stay safe online. Children will gain a greater understanding of the impact that sharing digital content can have. They will revisit and review sources of support when using technology and their own responsibility to one another in their online behaviour. They will understand the advantages, disadvantages, permissions and purposes of altering an image digitally and the reasons for this. They will also be made aware of appropriate and inappropriate text, photographs and videos and the impact of sharing these online.</p> <p><b>Databases ( Unit 5.4 ) C12</b></p> <p><i>Children will create a database on size, distance and speed of the planets.</i></p> <p>In this unit children will learn how to search for information in a database. They will search a database in order to answer questions correctly and contribute to a class database. They will design an avatar for a class database and enter information into a class database. They will create their own database around a chosen topic. They will add records to their database, know what a field is and add field information.</p>
<p><b>MFL</b></p> <p><b>Unit 15 - Quelle heure est-il? (What time is it?)</b></p> <p><i>Children will present dialogue about telling the time.</i></p> <p>This unit revises numbers to 60 in order for children to tell the time in French (digital and analogue). Children's listening skills will be assessed in this unit.</p> <p><b>Unit 16 - En ville (In the town)</b></p> <p><i>Children to talk about a journey around Hull.</i></p> <p>This unit revises genders for nouns and begins to look at interlingual homographs (words which look the same but are pronounced differently). Children learn to talk about the features in a town and use directional language (including prepositions) to navigate and talk about Hull. Children's listening skills will be assessed in this unit, including longer passages with opinions.</p>	<p><b>Music</b></p> <p><b>Genre: Pop Topic: Space</b></p> <p><i>Children to perform their composition at the end of term exhibition.</i></p> <p>Children will look at and learn the song Rocket Man by Elton John.</p> <p>All the learning is focused around this song. The material presents an integrated approach to music where games, elements of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked. As well as learning to sing, play, improvise and compose with this song.</p> <p>Children will look at and learn 'Space Oddity' by David Bowie. Children will make comparisons between the two (or more) pop ballads.</p>	<p><b>DT</b></p> <p><b>Mechanisms: Convert rotary motion to linear using CAMS.</b></p> <p><i>Children will create a moving solar system.</i></p> <p>Pupils will investigate other products and images to collect ideas and use the theme of space to create a design for a moving toy based on planets. Pupils will sketch and model alternative ideas and record ideas using annotated diagrams with increasing detail. During the construction, pupils will build frameworks using a range of material to support mechanisms and finally use a cam to make an up and down mechanism to depict planets moving. Pupils will also need to draw on their acquired scientific knowledge in year 5 of forces. Pupils will identify what works and does not work in the product.</p>

	<p>Children use graphic notation to compose their own journey through space – perform their composition to parents at end of term exhibition.</p>	<p><b><u>Key Texts for Topic</u></b> Comic The Water Tower Harris Burdick Twelfth Night</p>
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