

YEAR 5 AUTUMN TERM

The Big Question: Does exploration and discovery always benefit humanity?

Trip: Jodrell Bank, Liverpool Planetarium, VR Mayan Experience, Liverpool Synagogue

Guest Speaker:

Class Reader: *Hatchet* Gary Paulsen, **See you in the Cosmos**

Jack Cheng

MATHS

Throughout the autumn term, we will be covering the following areas:

- Place value including decimal places
- Addition and Subtraction
- Multiplication and Division
- Geometry – 2D and 3D shape
- Fractions, Percentages and Decimals
- Geometry – Angles
- Measurement – Length, Perimeter and Mass
- Measurement – Area and Volume

The aim is to cover the units multiple times over the course of the year to keep understanding and fluency fresh in pupil's minds.

- Creative
- Multiple perspectives
- Justify
- Debate
- Cause + Consequence
- Share a Story
- Make Connections
- Wider World
- Economise

ENGLISH

Fictional Narrative

We will combine skills gained in the previous years with new tools to create a fictional narrative on the theme of a new beginning. This piece is intended to re-introduce pupils to structure and sentence composition.

Setting Description

Using the information and knowledge gained through our Science unit, we will build a sensory setting description of the moments building up to a rocket launch, lift off and then the sensations of space.

Poetry- A Study of 'If' by Rudyard Kipling

Pupils will read, study and analyse the famous poem 'If' by Rudyard Kipling. Following that, all pupils will construct their own poem in the style of Kipling.

The Big Question – Essay

This terms essay, 'Does exploration and discovery always benefit humanity?', will incorporate this term's science, history and geography units and the knowledge gained will go into creating a balanced argument on the subject.

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HISTORY

The Maya Civilization

Maya civilization lasted for centuries and is steeped in rich cultural history, incredible mythology and the occasional brutal ritual.

During this unit, pupils will investigate the area of the world that the Maya populated, they will also observe primary and secondary evidence of the extensive time period in history that this culture existed and the innovations they created to allow them to reign for so long. Eventually, we will come to understand the reasons why the Maya are no longer around today.

Through VR technology, pupils will experience first hand the grandeur of a remaining Maya settlement, Chichen Itza and the still-standing temple of Kukulcan!

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RE

Judaism – Beliefs and Practices

This unit will see pupils observe the beliefs and practices of the Jewish faith and compare them with those of other religions that the children are already aware of. We will hear stories important to Jews, observe some of the main celebrations in the Jewish calendar and head back in time to learn about the religion's origins.

Christianity – Advent and the Story of the birth of Jesus

Pupils will take a closer look at the Christian tradition of advent: when it is, what it is and what happens during it. We will also discuss what the effects of Jesus' birth would have had on people of faith.

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PSCHE

Emotional and Mental Wellbeing

We will begin to explore the term 'mental health', what it is and how we can identify good and poor mental health, as well as starting to look at useful tools to manage our emotions. It is important that pupils understand the link between mental and physical health and that both are being addressed equally.

Relationships – Our Special People

This unit will help pupils to identify the qualities of positive friendships and family relationships. We will also focus on how and why relationships can change and how to manage your reactions to this.

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GEOGRAPHY

Atlas Study

In this unit, pupils will begin to hone their skills in understanding and effectively using an atlas. We will study the significance of longitude and latitude and how they are used as a navigational tool.

It is important that all pupils know the names of the continents and where they are located on an atlas, as well as how the invisible lines, such as the tropics, the equator and time zones, are essential in determining things such as climate.

We will also be using scale and measurement to accurately measure distances between features on an atlas and to give pupils an idea of how big our planet is in relation to themselves.

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	SCIENCE
Creative	<p>Earth and Space In this unit, we will study and observe the Earth and its place in the solar system. We will discuss the Earth's movement and orbit around the Sun and the Moon's orbit around us, how those things affect what happens down here and observe some of those effects in action!</p> <p>Pupils will also have the opportunity to learn more about what it is like for humans in space, hear the story of the Appley Bridge meteorite and debate the claim that the 1969 moon landing was faked...</p> <p>Forces Our pupils will get to grips with the physics of our planet, studying the effects of gravity, friction, air resistance and how we can affect those forces using things such as levers, pulleys and gears.</p> <p>The knowledge gained through this unit will then be put to use to design and construct our own pulley and lever systems!</p>
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	PE
Creative	<p>Develop a broader range of techniques and skills for attacking and defending. Develop consistency in their skills. Know and apply the basic strategic and tactical principles of attack, and to adapt them in different situations. Choose and apply skills more consistently in all games. Choose the best tactics needed to suit the game.</p> <p>Dodge ball, attack and defense -Control and catch a ball. -Pass the ball accurately whilst moving. -Work alongside team mates to gain and keep possession of the ball. -Use a variety of techniques to pass the ball.</p> <p>When running know and understand the principles of warming up and understand why it is important for high quality performance. Understand the importance of physical activity.</p>
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	MUSIC/MFL
Creative	<p>Music To develop an understanding of the history and context of music. Listen in detail to The Planets by Gustav Holst, listen with attention to detail and recall sounds with increasing aural memory. Research Gustav and what inspired him.</p> <p>Spanish Recognize how formality is conveyed in conversations. To form the negative in simple sentences. Start simple conjugations of familiar verbs in the present tense.</p>
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	ART
Creative	<p>Joan Miro – Surrealism In this unit, we will be taking a close look at the works of Joan Miro and attempting to understand his motivations and inspirations. We will also observe other surrealist art of the era to better understand the movement.</p> <p>Pupils will then develop their own ideas of surrealism and incorporate some of Miro's ideas and works to build their own piece of surrealist art.</p> <p>We will be using a variety of materials to produce the artwork, including marker pens, pencil and oil paints.</p>
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	DESIGN AND TECHNOLOGY
Creative	<p>Levers and Pulleys This unit will combine our science unit investigating natural forces with our design and technology unit to see if pupils can design and create a contraption that uses levers and pulleys to efficiently counteract the natural forces at play, for example a device that allows you to lift heavy objects by using less force.</p>
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	COMPUTING
Creative	<p>Systems and Networks – Sharing Information In this unit, pupils will develop their understanding of computer systems and how information is transferred between systems and devices. We will consider small-scale systems as well as large-scale systems as well as observe the input, output, and process aspects of a variety of different real-world systems. Pupils will also take part in a collaborative online project with other class members and develop their skills in working together online.</p>
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