

Summer Term

MATHS

Fractions and decimals

Children will learn how to compare, order, add and subtract fractions whose denominators are all multiples of the same number. They will understand that fractions, decimals and percentages are different ways of expressing proportions and be able to convert decimals to fractions.

Geometry

Children will be able to identify 2D and 3D shapes and explain their properties. They will be able to recognise, estimate and compare angles before moving on to measuring and drawing angles in degrees. They will learn that angles round a point total 360° and angles at a point on a straight line total 180° .

Measurement

Children will learn how to convert between different units of measure, calculate area and perimeter of shapes and solve problems including decimal notation and scaling.

Children will also recap on number, place value and the four operations in preparation for Year 6.

ENGLISH

George's Secret Key to the Universe



Our learning this term will be linked to the book 'George's Secret Key to the Universe', written by Stephen Hawking and his daughter, Lucy. The story follows the adventure of a boy called George, who after meeting his new neighbours, unexpectedly gets swept up in an intergalactic adventure.

Linked to the book, children's writing will focus on explanation texts, narrative poems, biographies, TV broadcasts and balanced arguments. They will have opportunities to explore related texts, plan their writing, make draft versions, edit and then improve their work before writing their final piece.

The grammar and punctuation emphasis will be on sentence structures and demarcating sentences properly with a range of punctuation. Spellings will be given out weekly (Thursday) and tested the following week – recent scores have been very pleasing, so please keep this up!

We will use various other extracts and texts to enhance the children's reading and knowledge throughout the term, and provide them with time to discuss books with their peers and make recommendations, giving reasons for their choices.

SCIENCE

Working Scientifically

Children will plan different scientific enquiries to answer questions, make observations, take measurements and record their results using scientific diagrams, tables and graphs.

Earth and Space

The children will find out how theories about the solar system have developed throughout history, considering the work of scientists such as Ptolemy and Copernicus. They will create models to demonstrate the solar system consists of eight planets that orbit around the sun, which is a star at the centre of our solar system. They will also learn how the rotation of the moon and Earth creates night and day.

Animals, including humans

Children will be able to identify and describe the changes in growth and development, including puberty, in humans. They will make comparisons to other animals through scientific research.

RE

How do Buddhist celebrate around the world?

Children will learn about the story of the first Buddha, how his teachings are followed around the world today and how this influences the daily life of practising Buddhists. They will explore a variety of traditional Buddhist tales and festivals and make connections to their own lives.

How do festivals and family life show what matters to Jewish people?

Following the RE agreed syllabus for Bedfordshire, children will explore the importance of family and home, through learning about how Jewish festivals are celebrated. They will have opportunities to make links to the value of personal reflections, giving reasons for their thoughts.

GEOGRAPHY

North America - The Grand Canyon

Children will use maps, globes and digital mapping websites to go on a virtual journey to North America. They will research the country, extending their locational knowledge of the world, and then focus on understanding the human and physical geography of North America, including locating areas of scientific interest linked to our space work in science.

Children will then concentrate on The Grand Canyon – how it was formed, the different biomes that exist within the canyon itself, native American tribes that live in the canyon and the effects of tourism on national parks.

<p style="text-align: center;">SPANISH Families and the Home</p> <p>Children will present ideas and information in simple sentences using familiar and rehearsed language to a partner or a small group of people based on the topic of families and the home. They will learn songs and rhymes to help explore the patterns and sounds to help with accurate spelling, pronunciation and intonation.</p>	<p style="text-align: center;">MUSIC Journey to Outer Space</p> <p>Children will listen to, review and evaluate a variety of music with a 'space theme' from a range of historical periods, including Holst's Planet Suite and Jeff Wayne's War of the Worlds. They will be able to name and identify the sounds produced from different instruments and identify dimensions of the music such as tempo, texture and dynamics. Children will finish by composing their own piece of music, using musical notations and a range of instruments, linked to an aspect of space.</p>	<p style="text-align: center;">PHSCE Relationships</p> <p>Children will focus on the importance of how to develop important relationships with others through learning about respect, how to manage change, conflict and maintain their positive physical, mental and emotional health and wellbeing.</p> <p style="text-align: center;">RSE</p> <p>Children will explore emotional and physical changes that occur during puberty, and how to manage physical and emotional change.</p>
<p style="text-align: center;">ART Andy Warhol</p> <p>After researching the great artist, Andy Warhol, children will use sketch books to record their observations and use them to review and revisit ideas. They will experiment with different techniques to increase their awareness of different types of art and design and produce a finished piece in the style of Andy Warhol.</p>	<p style="text-align: center;">COMPUTING Space Coders</p> <p>Children will use search technologies effectively to research class topics, appreciate how the results are selected and ranked, and be discerning in evaluating digital content in the context of identifying the key features of a webpage. They will also learn how simple algorithms work, be able to detect and correct errors, and design their own program using a coding program to create simulations.</p>	<p style="text-align: center;">PE OAA, Cricket, Athletics and Rounders</p> <p>Children will develop their running, jumping, throwing and catching skills and use these to play competitive games. They will apply basic principles suitable for attacking and defending and develop flexibility, strength, technique, control and balance. Individual and team challenge opportunities will take place so children can compare their performances with previous ones and demonstrate improvement to achieve their personal best.</p>
<p style="text-align: center;">DT Mars Rover</p> <p>Linking to our space themes class novel, and the current mission to Mars, children will research and develop designs for a vehicle that would be suitable to be used on Mars, and be encouraged to apply their technical knowledge. They will have opportunities to make, test (not on Mars!) and evaluate their product.</p>	<p style="text-align: center;">HISTORY History of Computing</p> <p>In history, the children will extend their chronological knowledge through studying the development of computing and computers over time. This will link to the local site of Bletchley Park, which holds a significant place in history due to the invention of 'Colossus', regarded as the world's first programmable, electronic, electric, digital computer, that helped to intercept and decode enemy messages in WW2.</p>	<p style="text-align: center;">BRITISH VALUES Mutual Respect and Tolerance for those of Different Faiths and Beliefs</p> <p>Children will learn about the main religions and show respect and understanding for the cultures, beliefs, opinions and traditions or others. Acknowledgement of special occasions, beliefs and customs from all religions will allow children the opportunity to enhance their understanding of their place in a culturally diverse society.</p>