



MAYFIELD PREPARATORY SCHOOL
SPRING TERM 2025 PROGRAMME OF STUDY FOR UPPER II



MATHEMATICS	<p>Ratio and Proportion</p> <ul style="list-style-type: none">• Understand ratio• Ratio and fractions• Scale drawings and using scale factors• Similar shapes• Problem solving <p>Algebra</p> <ul style="list-style-type: none">• Find a rule• Forming expressions• Substitution• Formulae• Solve equations• Find pairs of values <p>Decimals</p> <ul style="list-style-type: none">• Place value within 1• Rounding• Add, subtract, multiply and divide decimals in context• Multiply and divide by powers of 10 <p>Fractions, Decimals and Percentages</p> <ul style="list-style-type: none">• Fraction, decimal, percentage equivalence• Fractions as division• Order fractions, decimals and percentages• Percentages of amounts and missing values <p>Measurement- Area, Perimeter and Volume</p> <ul style="list-style-type: none">• Area and perimeter• Area of a triangle and parallelogram• Volume of a cuboid <p>Work will be differentiated to meet the needs of the children.</p>
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ENGLISH	<p>Class reader – Holes</p> <p>Continue to develop:</p> <p>Reading skills</p> <ul style="list-style-type: none">• Spelling and vocabulary.• Inferential skills related to character actions and motives.• Language choices and how they affect the reader.• Explaining literal and figurative language choices and phrasing.• Look at how to give evidence from text, make your point and explain when answering comprehension questions (Point-Evidence-Explain answers) <p>Consolidate basic conventions of grammar:</p> <ul style="list-style-type: none">• Clauses• Adverbial and adjectival phrases• Brackets• Dashes• Commas to indicate parenthesis and to clarify meaning and avoid ambiguity• Complex sentences <p>Writing focus:</p> <ul style="list-style-type: none">• Non-fiction, non-chronological writing• Organisational features of a text• Writing in paragraphs• Handwriting – ensuring all work is in a clear, well formed, joined Kinetic handwriting script with letters that are the correct size and shape in relation to each other and the paper. Letters need to be positioned correctly on paper.
SCIENCE	<p>Earth and space</p> <ul style="list-style-type: none">- The children will learn to describe the movement of the Earth, and other planets, relative to the Sun in the solar system.- They will learn to describe the movement of the Moon relative to the Earth.- They will learn to describe the Sun, Earth and Moon as approximately spherical bodies.- They will learn to use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. <p>Habitats</p> <ul style="list-style-type: none">• Know the 7 life processes• Life cycles of animals and plants• Reproduction in animals (basic)• Reproduction in plants
HUMANITIES	<p>In Geography, children will start investigating the BIG QUESTION: 'How is Climate Change affecting the world in 2025? In groups, we will examine how to recognise and evaluate the causes of climate change and global warming, on a local, national and international level. We will then complete a group project on ways to slow the effects of climate change; putting forward proposals for home and school.</p>
CLASSICAL STUDIES	<p>Investigating the story of the Trojan Horse: historical fact, legend or classical myth? Introduction to Ancient Greece, including the alphabet, the language and the culture.</p>
R.E.	<p>Children will continue to look at aspects of worship across different faiths. They will consider different forms of worship and share their learning about worship through</p>



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	music, art and objects. Children will complete the unit by discussing freedom to worship around the world.
P.S.E.D (Personal, social, health and economic Education)	Aiming High Children will continue to focus on achievements, aspirations, and opportunities. They will also have opportunity to reflect on their personal goals and the steps they can take to achieve these in the future. Children will study modern day role models, from various backgrounds, and look at how these people help to inspire others. Children will identify their own role models and the skills these role models possess in order to be successful.
Computing	We will be using our time in Computing suite to research different areas of the Humanities curriculum and support our work with functional computing skills.
PHYSICAL EDUCATION	Gymnastics- Develop routines with a partner using ideas of matching and mirroring, cannon and unison. Develop more complex skills such as dive forward roll and head stands
GAMES	Cross Country -Timed run over 2000m. Emphasis on effects of exercise on the body, warming up, cooling down. Develop basic map reading skills when locating checkpoints Small Games to develop agility, reaction time and basic games skills. Begin to apply to handball style games. Netball/rugby skills
MUSIC	Pachelbel's Cannon Children to become familiar with and learn phrases that are found in a version of the song by 'One Choir'. Introduce singing in parts, split melodic lines between groups, and perform in class. Focus attention on recurring bass line – introduce the ground bass. Use instruments such as Electric Keyboards and Glockenspiel. for children to introduce a simple short melody on top. Gustav Holst and The Planets. Cross-curricular links to science Children will listen to the planet suite. Look at one movement each week. Look at and discuss the moods created using different instruments along with different harmonic arrangements = major or minor, producing happy or sad sounds. Continue to develop their skills playing the recorder. Look at songs and music related to Easter, for Friday assemblies and end of term. (As well as general songs for assemblies).
ART & DESIGN	To learn about Gaudi's art, sculpture and architecture.
STUDY SKILLS	Developing knowledge and techniques for Senior School Entrance Examinations. Consolidating verbal and non-verbal reasoning skills: Verbal reasoning skills: WORDS AND WORDPLAY Find the word <ul style="list-style-type: none"> • Hidden words; • Stolen words; • Anagrams; • Jumbled words; Cloze



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- Choose the word;
- Complete the sentence;

PATTERNS AND FUNCTIONS

Reordering

- Rearrange words
- Rearrange letters

Codes

- Letter pairs
- Letter ciphers

Non-verbal reasoning skills:

Nets from 3D shapes

Match to a group/ Similar shapes

Match to a pair

Pairing Shapes

Odd Shaped Matrices

Find a code

Parts within a shape

Shape Logic

Following Folds

Test practice involving all of the above