



MAYFIELD PREPARATORY SCHOOL
SPRING TERM 2026 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><u>Reading (Comprehension):</u> Class Reader: The Cadwaladr Quests by S L Ager</p> <ul style="list-style-type: none">• To locate/select/retrieve necessary information• To identify particular uses of language and types of sentences for effect• To develop methods of working out new/unknown words• To form opinions about a text and be able to justify them• Fiction / Poetry / Non-fictions texts• Critical and analytical thinking• Examination Practice <p><u>Handwriting</u> Writing must be in a clear and legible joined style. With letters the correct size in relation to each other and sitting on the line. Work is expected to be completed in pen.</p> <p><u>Writing: (Composition)</u></p> <ul style="list-style-type: none">• Playscript• Instructional writing• Biographical writing• Short story writing• Letter writing (formal and informal)• Non-chronological writing• Persuasive writing• Newspaper report <p><u>Grammar:</u></p> <ul style="list-style-type: none">• Punctuation (inverted commas, commas to separate a list, apostrophe for omission and possession, commas for fronted adverbials, commas for clarity, dashes, brackets, commas, hyphens)• Nouns (proper and common nouns) and pronouns• Adverbs, Modal Verbs, Adjectives• Tenses and the Past Participle• Subject and Verb Agreement• Direct speech/inverted commas• Reported speech• Prepositions• Spelling rules• Formal and informal language use
SCIENCE	<p>Forces</p> <ul style="list-style-type: none">• Children will learn to explain that unsupported objects fall towards the Earth due to the force of gravity acting between the Earth and the falling object.• They will learn to describe the effects of air resistance, water resistance and friction that act between moving surfaces.• They will learn to recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. <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



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HUMANITIES	In Geography, children will start investigating the BIG QUESTION: 'How is Climate Change affecting the world? 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.
CLASSICAL STUDIES	Introduction to Ancient Greece, including the alphabet, the language and the culture.
R.E.	Children will look at each religion's view of peace and take them on a journey through different acts of achieving and creating peace. The children will compare and contrast the concept of peace across religions. Investigating symbolic people of peace and well-known symbols of peace before creating their own.
PSHE (Personal, social, health and economic Education)	<p>Breathing Techniques and Meditation Children will continue to improve their breathing and meditation techniques started last term, from box breathing to visualisation mindfulness.</p> <p>During this lesson, we will also do Read and Share – mini verbal book reviews and recommendations about what we are currently reading.</p>
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	<p>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</p> <p>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</p>
GAMES	<p>Small Games to develop agility, reaction time and basic games skills. Begin to apply to handball style games.</p> <p>Netball/rugby skills</p>
MUSIC	<p>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.</p> <p>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).</p>
ART & DESIGN	<p>To learn about Gaudi's art, sculpture and architecture.</p> <p>To design and create a cross-stitch pattern.</p>
STUDY SKILLS	<p>Developing knowledge and techniques for Senior School Entrance Examinations.</p> <p>Consolidating verbal and non-verbal reasoning skills:</p>



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Verbal reasoning skills:

WORDS AND WORDPLAY

Find the word

- Hidden words
- Stolen words
- Anagram
- Jumbled words

Cloze

- 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