



MAYFIELD PREPARATORY SCHOOL
AUTUMN TERM PROGRAMMES OF STUDY FOR UPPER II



<p>MATHEMATICS</p>	<ol style="list-style-type: none">1. <u>Number and place value</u><ul style="list-style-type: none">• Read and write whole numbers up to and including millions• Interpret negative numbers in contexts• Rounding numbers2. <u>Number – Calculations</u><ul style="list-style-type: none">• Add and subtract large numbers using a formal written method• Identify common factors and multiples• Investigate rules of divisibility• Understand prime, square and cube numbers• Multiply numbers up to 4-digits by a 2 digit number• Use a formal method of short division• Divide using factors• Use long division• Solve multi-step problems• Use the order of operations• Use mental methods and known facts3. <u>Number – fractions and decimals</u><ul style="list-style-type: none">• Identify equivalent fractions• Simplify fractions• Compare and order fractions• Add and subtract fractions and mixed numbers• Multiply fractions by integers• Multiply fractions by fractions• Divide fractions by integers• Find fractions of quantities• Find the whole from a given fraction• Problem solve and reason about fractions4. <u>Measurement</u><ul style="list-style-type: none">• Convert between different units of metric measure• Calculate with metric measures• Understand imperial measures• Convert between metric and imperial measures <p>Work will be differentiated to meet the needs of the children.</p>
<p>ENGLISH</p>	<p><u>Reading: Development of reading skills:</u> <u>Class Reader: <i>Boy Tales of Childhood</i></u> *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. *Critical and analytical thinking * Examination Practice</p> <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) & pronouns• Adverbs, Modal Verbs, Adjectives• Tenses and the Past Participle• Subject and Verb Agreement• Direct Speech/Inverted commas• Reported Speech• Prepositions



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	<ul style="list-style-type: none"> • Spelling rules • Formal and informal language use <p><u>Writing: Focus on writing with clarity complexity and imagination</u></p> <ul style="list-style-type: none"> • Character description • Setting description • Instructional writing • Short story writing (cautionary tale) • Letter writing (formal and informal) <p><u>Handwriting</u></p> <p>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>
SCIENCE	<p>Materials (We will start this topic, looking at-)</p> <ul style="list-style-type: none"> • The children will be investigating the properties of materials including- • Thermal insulators and conductors • Electrical conductors • Dissolving • Separating mixtures • Explaining irreversible chemical changes <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.
HUMANITIES	<p>In History, children will learn about what it was like to live in 19th Century Britain. We will be using Charles Dickens' <i>Oliver Twist</i> and Philip Pullman's <i>The Ruby in the Smoke</i> as case studies. We aim to investigate and compare lives of the rich and poor, in the cities and the countryside. We will use Charles Booth's poverty maps to evaluate what London was like and refer directly to our case studies. This will lead us into examining questions about empire, economy and politics.</p>
R.E. & P.S.E.D (Personal, social, health and economic Education)	<p>Children will be studying the meaning and importance of peace and forgiveness, according to different religions. They will look at 'symbolic people of peace' and well-known symbols of peace. Children will determine and reflect upon what peace means to them.</p>
COMPUTING	<p>Research and presentation skills linked to our HISTORY topic.</p>
ART AND DESIGN	<p>Design and make an Anderson Shelter using tools and materials safely to construct a strong model including relevant features. To use sewing skills to create a calendar.</p>
PHYSICAL EDUCATION	<p>Small Games to develop agility, reaction time and basic games skills. Begin to apply to handball style games. Gymnastics – Floorwork and apparatus tasks Dance – Dances based on Hakka. Pupils explore the origins of the dance and create their own capoeira style dance.</p>
GAMES	<p>Hockey/football skills</p>



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MUSIC	To work together as a class, to sing, produce, improve and perform musical items in the class or in front of a select audience. To be able to take part in call and response using increasingly complex rhythmic and melodic patterns. To be able to demonstrate simple rhythmic patterns and produce their own using tuned or untuned instruments. To be able to recognise instruments and their sounds found in today's orchestra. Look at songs and poems written during World War 2. listen to Sea Shanties. Begin to form an opinion on music introduced and begin to use appropriate terms to describe music. (Festival - focus Harvest, Remembrance Day and Christmas)
STUDY SKILLS	Developing knowledge and techniques for Senior School Entrance Examinations. Consolidating verbal and non-verbal reasoning skills: Verbal reasoning skills: WORDS AND WORDPLAY <u>Vocabulary</u> <ul style="list-style-type: none">• Synonyms• Odd ones out• Homographs• Antonyms• Spot the connection• Definitions• Jumbled sentences <u>Building words</u> <ul style="list-style-type: none">• Join the words• Find the link• Transfer a letter• Morph the word Non-verbal reasoning skills: <ul style="list-style-type: none">• 2D rotation• Grids/matrices• Odd one out• Series/sequences• 2D reflection• Nets and cubes• Combining 3D shapes• 3D shapes from above• Rotating 3D shapes• Nets of 3D shapes
FOREST SCHOOL (Second half term only)	Introduction to Forest School Looking after the outside world Being Safe India- making pattern/ art pieces with outside resources
CLASSICAL STUDIES	Investigating the story of the Trojan Horse: historical fact, legend or classical myth?