

MAYFIELD PREPARATORY SCHOOL
SUMMER TERM 2020 PROGRAMMES OF STUDY FOR LOWER III
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MATHEMATICS	<ol style="list-style-type: none"> 1. <u>Statistics</u> <ul style="list-style-type: none"> • Use sorting diagrams effectively- Venn and Carroll and 2-way tables • Solve problems involving numbers and shape 2. <u>Statistics</u> <ul style="list-style-type: none"> • Record probability of events using modal verbs • Record probability of events using decimals and fractions • Investigate situations involving probability and explain the results 3. <u>Ratio and Proportion</u> <ul style="list-style-type: none"> • Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts • Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison • Solve problems involving similar shapes where the scale factor is known or can be found • Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples 4. <u>Algebra</u> <ul style="list-style-type: none"> • Use simple formulae • Generate and describe linear number sequences • Express missing number problems algebraically • Find pairs of numbers that satisfy an equation with two unknowns • Enumerate possibilities of combinations of two variables 5. <u>Money</u> <ul style="list-style-type: none"> • Solve problems involving money • Find totals and change to £1000 6. <u>Problem Solving</u> <ul style="list-style-type: none"> • Solve problems involving sometimes, always, never true • Solve multi-step problems • Explain the reasoning behind your answer • Use examples to prove your answer • Solve problems involving ‘Finding all possibilities’ • Solve problems involving logic • Solve problems involving rules and patterns • Solve problems involving all four operations and fractions
ENGLISH	<p><u>Comprehension</u></p> <ul style="list-style-type: none"> • Selecting and retrieving information • Using the text to support answers • Deduce/infer/interpret information • Considering an author’s intentions and the effect of a text on the reader • Comment on the purpose and viewpoint of a text • Answering different question types related to the National Curriculum Contents Domains. <p><u>Grammar and Punctuation: Re-cap and Revise</u></p> <ul style="list-style-type: none"> • Simple and compound sentences • Relative clauses

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	<ul style="list-style-type: none"> • Confusing words – avoiding ambiguity in writing • Conventions for direct speech • Types of sentence • Layout devices • Active and passive verbs • Conditional sentences • Prefixes/Suffixes • Grammar revision <p>Writing</p> <p>Fiction: Creative writing using film as a stimulus.</p> <p>Non-fiction: Biographical writing.</p> <p>Cross-curricular writing related to this term's History and Geography topics.</p>
SCIENCE	<p>Animals including Humans</p> <ul style="list-style-type: none"> • I can identify and name the parts of the human circulatory system • I can describe the functions of the main parts of the circulatory system • I can explain how water and nutrients are transported throughout the body • I can describe how diet and exercise impact on human bodies • I can plan a scientific enquiry • I can record, report and present results appropriately • I can explain the impact of drugs and alcohol on the body • I can describe how scientific evidence highlighted the dangers of smoking
HUMANITIES History	This terms enquiry will be investigating and exploring the changes in Britain since 1948. Children will study decades throughout the 20 th century; learning about significant events that helped to 'shape' and 'define' Britain. They will focus upon areas such as: changes in popular culture, homelife, technology fashion, population and work.
	Geography Children will find out about one of the oldest National Parks in the USA – Yosemite National Park. Pupils will learn about its location in the world and within the USA, as well as finding out more about its geographical features and famous tourist hotspots.
INFORMATION AND COMMUNICATION TECHNOLOGY	Use a range of ICT programs to present work across subject areas
PHYSICAL EDUCATION	<p>Yoga and mindfulness</p> <p>Completing fitness sessions such as 'Joe Wicks PE lessons'</p> <p>Online dance 'classes' such as Just dance or dance with Oti</p> <p>Challenging yourself daily with small activities- how many laps of the garden can you do in 5 mins, how quickly can you complete a lap of your garden, how many speed bounce can you complete in 30 secs. How many times can you juggle to ball on the racket without dropping it. How far and how high can you jump from a standing position.</p> <p>Design a training session that can develop skills in a range of different sports?</p> <p>Plan your ideal sports day</p> <p>Create a diet and exercise diary for athletes in different sports.</p> <p>Research a sportsperson and create a factfile about their life.</p>
CURRENT AFFAIRS	Discussion and debate on topics which occur in the news in the United Kingdom around the world. Learn about 'Individual Liberty', one of the British core values.
MUSIC	To learn about different classical composers, research key events in their lives; to listen with attention to detail and recall sounds with increasing aural memory. Appreciate and understand a wide range of high-quality live and recorded music drawn from different great composers and musicians.

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FRENCH	Continue work on extending vocabulary and learning about French culture and traditions.
RELIGIOUS EDUCATION	This term's unit of study will look at Humanism; its origins, core beliefs, and the meaning of the Happy Human symbol. It will examine the difference between religious and non-religious world views.
PSD	Children will consider what it means to be responsible for their own safety, including the decisions they make and how they can stand up to peer pressure in a range of situations. They will assess the risk associated with these situations and learn about what to do if they feel in danger. They will also learn about how to identify an emergency, what to do in this situation, and how to get the help needed.
ART & DESIGN	To research and learn about the lives and works of Famous Artists. To create work in the style of the artist (using a variety of materials and techniques).