

MAYFIELD PREPARATORY SCHOOL
SUMMER TERM 2024 PROGRAMMES OF STUDY FOR FORM II

MATHEMATICS

Statistics

- Draw, read and interpret line graphs
- Understand two-way tables
- Read and interpret timetables

Geometry: Shape

- Classify, estimate, and measure angles with a protractor
- Draw angles
- Calculate angles
- Regular and irregular polygons
- Reasoning about 3D shapes

Geometry: Position and Direction

- Read and plot coordinates
- Problem solving with coordinates
- Translation
- Translation with coordinates
- Lines of symmetry
- Reflection

Measurement: Time

- Convert between analogue and digital times
- Convert to the 24-hour clock
- Convert from the 24-hour clock

Number: Decimals

- Use known facts to add and subtract decimals within
- Complements to 1
- Add and subtract decimals across 1
- Add and subtract decimals with the same number of decimal places
- Add and subtract decimals with different numbers of decimal places
- Efficient strategies for adding and subtracting decimals
- Decimal sequences
- Multiply and divide by 10, 100 and 1,000
- Multiply and divide decimals - missing values

Number: Negative numbers

- Understand negative numbers
- Count through zero in 1s
- Count through zero in multiples
- Compare and order negative numbers
- Find the difference

MAYFIELD PREPARATORY SCHOOL
SUMMER TERM 2024 PROGRAMMES OF STUDY FOR FORM II

<p>ENGLISH</p>	<p>Reading: to gain information, for pleasure, to increase vocabulary and understanding. Reading focus: understanding new words used by the author and developing vocabulary. This term text will be 'Swallows and Amazons'.</p> <p>Writing: This term there will be a focus on writing linked where appropriate to the text. Working on developing sentences to include subordinate clauses and detailed descriptions through a range of fiction and non-fiction writing including persuasive writing, a discussion piece and an adventure story. Exploring information leaflets and creating their own maps and stories.</p> <p>Grammar and punctuation: Continuing work on terminology, clauses particularly identifying and using main and subordinate clauses. Recapping sentence types. Correctly using the apostrophe for contraction and possession, including plurals. Identifying and using possessive pronouns, recap nouns and tense of verbs. Examining cohesive devices such as adverbs when writing to-avoid repetition.</p> <p>Spelling: weekly word lists and tests.</p> <p>Comprehension: continued development of inferential skills and learning to 'read between the lines', layout and presentation of texts, including fiction, non-fiction and poetry.</p> <p>Handwriting: Continue to develop writing in a clear joined up script in ink. Ensuring letters are formed correctly, with clear ascenders and descenders and of a correct size in relation to each other.</p>
<p>SCIENCE</p>	<p>Living Things and their Habitats - Children will be able to recognise that living things can be grouped in a variety of different ways with the aid of classification keys. Using classification keys, they will explore the things in our school and group them. Children will be to understand that environments can change and that this can sometimes pose dangers to living things.</p> <p>Scientists and Inventors- studying famous scientists and inventors related to our science topics this year: Gerald Durrell's conservation work in Madagascar, Alexander Graham Bell and the telephone, Antoine Lavoisier and Joseph Priestley's work on oxygen, Lord Kelvin's work on absolute zero, Thomas Edison's work on electricity and Washington Sheffield's invention of modern toothpaste.</p>
<p>HUMANITIES: HISTORY</p>	<p>Why were castles so important to the Normans?</p> <p>Sequence the events which occurred in Normandy and Sussex on October 13th -14th 1066.</p> <p>Explain why William the Conqueror decided to invade and occupy England.</p> <p>The features of a typical Norman Motte and Bailey castle.</p> <p>Why the design of Norman castles began to change after William gained control over most of England.</p> <p>Different purposes of Norman castles.</p> <p>Why it was so difficult for the Anglo Saxons to successfully attack a Norman castle.</p> <p>The different parts of a Norman castle keep.</p>

MAYFIELD PREPARATORY SCHOOL
SUMMER TERM 2024 PROGRAMMES OF STUDY FOR FORM II

<p>GEOGRAPHY</p>	<p>How the lives of children in Norman England were very different depending on the section of society to which they belonged – nobility and commoners. Why the remains of Norman castles in modern Britain attract millions of visitors and tourists a year.</p> <p>Why do so many people in the world live in megacities? The key features of cities and suggest reasons for why people live in cities of such high density. The distribution of megacities across the continents of the world. Why Baghdad was the first city in the world with a million inhabitants. The top 10 cities in the United Kingdom with the largest populations and compare these with the top 10 fastest-growing cities in the country. Why the population of any city can increase and explain why Milton Keynes in particular the fastest-growing city in the United Kingdom is. Locate the largest cities in South America. Offer reasons for the features of the city of Brasília, capital of Brazil. Why the Brazilian government built a new capital city in 1960. The benefits and disadvantages of city life and reach a judgement as to which is most significant. Some of the main geographical features of one of the top 40 megacities in the world.</p>
<p>RELIGIOUS EDUCATION</p>	<p>Christianity This Christianity unit will teach the pupils about key aspects of the Christian faith. The children will work creatively to enhance their learning experience. They will find out where Christianity originated, about special places linked to Christianity and about key festivals in Christian life. The children will also learn about symbols in Christianity, the Christian holy book and the main beliefs held by Christians.</p>
<p>PERSONAL & SOCIAL DEVELOPMENT</p>	<p>Safety First: Thinking about what it means to take responsibility of our own safety. How can we make the right decisions, looking at what is peer pressure and how we can stand up to it in a range of situations. Learning about everyday risks, hazards and dangers and what to do in risky or dangerous situations, thinking about how to stay safe by looking at roads, rail and water safety and dangerous substances: drugs (including medicines), cigarettes and alcohol. Looking at basic first aid, exploring how to deal with common injuries and what to do to respond to emergency situations.</p>
<p>PHYSICAL EDUCATION</p>	<p>Short Tennis: Core skills, scoring, single matches. Athletics: Preparation for Sports Day. Sprinting, relays, throwing, standing long jump Games: Rounders – core skills, simplified games leading to full game. Cricket – core skills, adapted games leading to full game.</p>
<p>ART & DESIGN</p>	<p>To develop sewing skills. Looking at work of Monet.</p>

MAYFIELD PREPARATORY SCHOOL
SUMMER TERM 2024 PROGRAMMES OF STUDY FOR FORM II

COMPUTING	Logo Animation Effective searching Music Artificial Intelligence
MUSIC	Learning simple technique of playing the tuned percussion instruments xylophone / glockenspiel. Introductions to Music theory: scales, arpeggios, major and minor scales with a view to creating a piece of music in groups from a given starting point. This may contribute to Mayfield's Centenary Continue to review and learn songs old and new to be sung in school assemblies. Continue to review and improve on recorder skills and learn more notes to play.
FRENCH	Numbers to 100 Euros/The Supermarket Weather phrases Food/Ice cream flavours
FOREST SCHOOL	Rules of Forest School Making Shelters Differentiated activities linked to the outside environment.
STUDY SKILLS	Work will take place on the Atom Learning platform and in class sessions <u>Verbal Reasoning:</u> <ul style="list-style-type: none"> • making sentences make sense- muddled sentences • Cloze sentences • Reordering and rearranging letters • Codes • Letter codes • vocabulary <u>Non Verbal Reasoning:</u> <ul style="list-style-type: none"> • 2D shapes, parts within a shape • 2D shapes following folds • 3D shapes, Nets and cubes • 3D shapes – rotation and reflection • 3D shapes parts within a shape • 3D shapes Nets from above <u>Maths</u> <ul style="list-style-type: none"> • Coordinates • Grid references • Money • Shape, space and measures • Word problems <u>English</u> <ul style="list-style-type: none"> • Spelling of words • Comprehension • poetry