

MAYFIELD PREPARATORY SCHOOL
AUTUMN TERM PROGRAMMES OF STUDY FOR UPPER II

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| MATHEMATICS | <ol style="list-style-type: none"> 1. <u>Number and place value</u> <ol style="list-style-type: none"> a. Read and write whole numbers up to and including millions b. Interpret negative numbers in contexts c. Rounding numbers 2. <u>Number – Calculations</u> <ol style="list-style-type: none"> a. Add and subtract large numbers using a formal written method b. Multiply numbers up to 4-digits by a 2 or 3 digit number c. Use a formal method of short division d. Apply all methods to problem solving. 3. <u>Number – fractions and decimals</u> <ol style="list-style-type: none"> a. Compare and order fractions b. Round decimals with two decimal places c. Convert between common fractions, decimals and percentages 4. <u>Measurement</u> <ol style="list-style-type: none"> a. Convert between different units of metric measure b. Measure and calculate the perimeter of rectilinear shapes c. Calculate the area of compound rectilinear shapes d. Calculate the volume of cuboids e. Solve problems involving converting between units of time. 5. <u>Geometry – properties of shape</u> <ol style="list-style-type: none"> a. Recognise and compare acute, obtuse, right and reflex angles b. Identify missing angles on a straight line, at a point and in triangles 6. <u>Geometry –position and direction</u> <ol style="list-style-type: none"> a. Reflect and translate shapes on a grid 7. <u>Statistics</u> <ol style="list-style-type: none"> a. Complete, read and interpret information in tables, including timetables. <p>Children will be assessed prior to teaching each of the units above. Work will be differentiated to meet the needs of the children.</p> |
| ENGLISH | <p><u>Reading: Development of reading skills:</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. * Examination Practice *Class Reader: Boy</p> <p><u>Grammar: Re-cap and revision/weekly spelling lists</u></p> <ul style="list-style-type: none"> • Capital Letters • Nouns • Adverbs, Verbs, Adjectives • Tenses and the Past Participle • Subject and Verb Agreement • Direct Speech/Inverted commas • Reported Speech • 1st/2nd/3rd Person • Word Order • Idioms • Dictation/summarising • Prepositions • Spelling rules <p><u>Writing:</u> *Instructional writing *Writing from a different perspective *Formal/informal letters *Autobiographical writing *Character description</p> |
| SCIENCE | Earth and space |

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| | <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>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 | In History, children will learn about the "Road to World War II" specifically examining Hitler's foreign policy aims and then go on to investigate the question 'Why was winning the Battle of Britain in 1940 so important?' They will have opportunities to handle and study a range of primary and secondary sources linked to the events. Exploring who serious the risk of invasion by Nazi Germany in June 1940 was and the different factors that led to Britain winning the Battle of Britain. |
| FRENCH | Revise and consolidate previous knowledge (providing personal information, dates and family); understand main information from written and oral channels; increase vocabulary relating to topics already studied; understand how French grammar works; improve spelling of main information and vocabulary; present tense of some important verbs, introducing themselves. |
| R.E. & P.S.E.D (Personal, social, health and economic Education) | Looking at important figures from various religions starting with Jesus in Christianity and moving through Moses in Judaism to Muhammad in Islam |
| INFORMATION COMMUNICATION TECHNOLOGY | Powerpoint investigation Games using WORD |
| ART | Antonio Gaudi We will learn about the artist Antonio Gaudi and explore the elements of art. His work will inspire a creative and colourful 3D architectural design, using natural forms to help with lines, tones and patterns, which will be included in an imaginative final piece of art. |
| PHYSICAL EDUCATION | Small Games to develop agility, reaction time and basic games skills. Begin to apply to handball style games. Gymnastics – Floorwork and apparatus tasks for Gym Award 4 Dance – Dances based on Brazilian dance Capoeira. Pupils explore the origins of the dance and create their own capoeira style dance. |
| GAMES | Hockey/football skills |

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| <p>MUSIC</p> | <p>Looking at pieces of music through the ages and trying to recapture them</p> <p>Set pieces to include</p> <p>The Nutcracker Tschaikovsky</p> <p>Mars Holst</p> <p>Troika Prokofiev</p> <p>Zadok the Priest Handel</p> <p>Enigma Variations</p> <p>Peter and the Wolf</p> |
| <p>DESIGN TECHNOLOGY</p> | <p>Sewing : felt keyrings</p> <p>After conducting a range of product research we will use our expertise to design and produce a keyring with stitch work.</p> |
| <p>STUDY SKILLS</p> | <p>Developing knowledge and techniques for Senior School Entrance Examinations.</p> <p>Consolidating verbal and non-verbal reasoning skills:</p> <p>Verbal reasoning skills:</p> <p>WORDS AND WORDPLAY</p> <p>Vocabulary</p> <ul style="list-style-type: none"> • Synonyms; • Odd ones out; • Homographs; • Antonyms; • Spot the connection; • Definitions; • Jumbled sentences <p>Building words</p> <ul style="list-style-type: none"> • Join the words; • Find the link; • Transfer a letter; • Morph the word. <p>Non-verbal reasoning skills:</p> <p>INTERPRETING SHAPES</p> <p>Recognise and Associate</p> <ul style="list-style-type: none"> • Odd one out; • Match to a group; • Match to a pair; <p>Extending a pattern</p> |

- Pairing shapes;
- Sequences;
- Matrices;
- Odd shaped matrices;

Finding a code

- Find a code