

**Westfield School Junior House
Upper Two Curriculum Information
Summer Term 2021**

<p>Mathematics</p> 	<p>Continue to develop a variety of strategies for mental and written mathematics, to increase speed, accuracy and problem solving using 5 a day to support retrieval.</p> <p>Decimals: Round decimals with two decimal places to the nearest whole number and to one decimal place. Solve problems involving number up to three decimal places. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation.</p> <p>Geometry – Angles: Know that angles are measured in degrees; estimate and compare acute, obtuse and reflex angles. Draw given angles and measure them in degrees (°). Identify angles at a point and one whole turn (total 360 °), angles at a point on a straight line and ½ a turn (total 180°) other multiples of 90°.</p> <p>NB: A geometry set <u>including protractor</u> will be required</p> <p>Geometry – Shapes: Identify 3D shapes, including cubes and other cuboids, from 2D representations. Use the properties of rectangles to deduce related facts and find missing lengths and angles. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</p> <p>Geometry - Position and Direction: Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p> <p>Measurement - Converting units: Convert between different units of metric measure (for example, km and m; cm and m; cm and mm; g and kg; l and ml). Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. Solve problems involving converting between units of time.</p>
<p>English</p> 	<p>This term the fiction text studied will be; ‘Mysterious Traveller and The Cloud Tea Monkeys’ by Mal Peet and Elspeth Graham, where we will explore how writers use imagery and tension. Non-fiction studies will include book reviews. In addition, short poems will also be studied, along with Viking sagas linked to the Vikings History unit.</p> <p>Grammar - Recap on grammar terminology from lower KS2 and use and understand KS2 grammar terminology – particularly word classes: noun, adjective, verb, adverb, and pronoun. In addition, the following topics will be covered: perfect tense, prepositions of time, apostrophes, imperative verbs, hyphens, fronted adverbials, cohesive devices, first person/third person (pronouns), subjunctive form, brackets, reported speech, adverbs, suffixes, determiners, commas for parenthesis, dashes, synonyms and antonyms, prefixes and suffixes and expanded noun phrases.</p>

<p>Science</p> 	<p>The topics being investigated this term are:</p> <p>Living Things and Their Habitat - describe the life process of reproduction in some plants and animals.</p> <p>Properties and Changes of Materials we will:</p> <ul style="list-style-type: none"> • Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity and response to magnets • Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution • Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating • Give reasons for the particular uses of everyday materials, including metals, wood and plastic • Demonstrate that dissolving, mixing and changes of state are reversible changes • Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible
<p>Humanities</p> 	<p>In Geography we will be using mapping skills:</p> <ul style="list-style-type: none"> • 4 and 6-figure co-ordinates • Measuring distances, use of variety of scales • Use Ordnance Survey maps of local area <p>In History, after completion of the Greeks from the Spring term, we will study the Vikings and learn about the Viking invasions, Viking settlements, Alfred the Great, unification and the end of the Viking era.</p>
<p>Computing</p> 	<ul style="list-style-type: none"> • Photography • Mind mapping • Internet research • Flat file database
<p>Art</p> 	<ul style="list-style-type: none"> • Explore Viking art and identify its key characteristics and features • Draw Viking knots and patterns • Create a piece of animal Viking art work • Sketch a Viking dragon head • Design and create a piece of Viking jewellery
<p>French</p> 	<ul style="list-style-type: none"> • This term our topic will be 'Free Time Activities' • We will be learning to give simple opinions and use expressions of frequency • In addition, we will learn the appropriate use of the verbs 'jouer à' and 'faire de' in relation to sports

<p>PE</p> 	<ul style="list-style-type: none"> • Athletics - developing understanding of a variety of track and field events • Cricket - fundamentals of batting and fielding • Rounders - developing knowledge of rules, strategic play, batting and fielding techniques • Tennis - developing understanding of the rules, co-ordination, balance and control of the ball
<p>Music</p> 	<ul style="list-style-type: none"> • Sing a range of songs • Play rhythm games • Listen to a range of pieces on the theme of Space, including extracts from "The Planets" • Compose and perform a graphic score piece of music on a Space theme. • Write a group piece called "Journey by Rocket"
<p>Important Information</p> 	<p>A geometry set will be needed for Maths this term.</p>