Heathlands Primary Academy Curriculum Map

Year 6 (Autumn 2)

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| **English**  Over the course of this academic year the children will be working towards the following objectives. | **Maths**  Over the course of this half term the children will be working towards the following objectives. |
| **Reading**   * **read age-appropriate books with confidence and fluency (including whole novels)** * **read aloud with intonation that shows understanding** * **work out the meaning of words from the context** * **explain and discuss their understanding of what they have read** maintaining a focus on the topic and using notes where necessary**, and justify this with evidence** * **draw on inferences** such as characters’ feelings, thoughts and motives from their actions **and justify these with evidence** * **predict what might happen from details stated and implied** * locate and **retrieve information from non-fiction** and draw on a variety of sources in order to research a topic, record and present this information * distinguish between statements of fact and opinion * understand how organisational structures are used to contribute to meaning and how this impacts on the reader * **summarise main ideas, identifying key details and using quotations for illustration** * identify and discuss themes and conventions * appreciate shades of meaning * **evaluate how authors use language, including figurative language, considering the impact on the reader** * **make comparisons within and across books** * express views about books and explain and justify personal opinions * courteously challenge views of others that may differ from their own * be critical of what we have read, and what writers have to say   **Writing**   * write effectively for a range of purposes and audiences, selecting language that shows good awareness of the reader (e.g. the use of the first person in a diary; direct address in instructions and persuasive writing) * in narratives, describe settings, characters and atmosphere * integrate dialogue in narratives to convey character and advance the action * select vocabulary and grammatical structures that reflect what the writing requires, doing this mostly appropriately (e.g. using contracted forms in dialogues in narrative; using passive verbs to affect how information is presented; using modal verbs to suggest degrees of possibility) * use a range of devices to build cohesion (e.g. conjunctions, adverbials of time and place, pronouns, synonyms) within and across paragraphs * use verb tenses consistently and correctly throughout their writing * use the range of punctuation taught at key stage 2 mostly correctly (e.g. inverted commas and other punctuation to indicate direct speech) * spell correctly most words from the year 5 / year 6 spelling list, and use a dictionary to check the spelling of uncommon or more ambitious vocabulary * maintain legibility in joined handwriting when writing at speed. | * Identify common factors, common multiples and prime numbers. * Compare and order fractions, including fractions >1 *(including on a number line).* * Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. * Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. ). * Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.   Solve problems involving fractions.   * Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. * *Find simple percentages of amounts.* * 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.   * Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. * Interpret and construct pie charts and line graphs and use these to solve problems. * Solve comparison, sum and difference problems using information presented in all types of graph. * Solve problems involving the calculation and conversion of units of measure (including money and time), using decimal notation up to three decimal places where appropriate. * Use, read, write and convert between standard units, converting measurements of length and mass, from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places. * Convert between miles and kilometres. * Recognise that shapes with the same areas can have different perimeters and vice versa. * Calculate the area of parallelograms and triangles. * Use, read and write standard units using decimal notation to up to three decimal places. * Recognise when it is possible to use the formulae for area and volume of shapes. * Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3) and extending to other units (for example, mm3 and km3). |