Heathlands Primary Academy Curriculum Map

Year 5 (Spring 1)

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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 short novels)**
* **read aloud with some intonation that shows understanding**
* **work out the meaning of words from the context**
* **explain and discuss their understanding** maintaining a focus on the topic and using notes where necessary, **and justify ideas with evidence**
* **draw on inferences** such as inferring characters’ feelings, thoughts and motives from their actions, **and justify inferences with evidence**
* **predict what might happen from details stated and implied**
* **retrieve**, record and present **information from non-fiction**
* distinguish between statements of fact and opinion
* identify how structure and presentation contribute to meaning
* **summarise the main ideas drawn from more than one paragraph, identifying key details that support the main ideas**
* identify and discuss themes and conventions
* able to appreciate subtleties and nuances in texts
* **discuss and evaluate how authors use language, including figurative language, considering the impact on the reader**
* **make comparisons within and across books**
* participate in discussions about books; challenging views courteously
* express views about books and provide reasoned justifications for their views

**Writing*** **Uses direct** and reported **speech for characterisation**
* **Uses setting to create mood**
* **Includes some significant interaction between characters through action, description and character responses**
* Confidently and consistently uses the main features of text type
* **Adapts sentence structure to the text type**
* **Links sentences within paragraphs**
* **Uses subordinate and embedded clauses to write varied sentences**
* **Uses paragraphs to signal a change in time, scene, action, mood or person**
* Uses shifts in time and place to create plots with more than one narrative thread
* **Uses capital letters, full stops, question marks, exclamation marks, commas in lists, apostrophes and inverted commas with accuracy**
* **Proof reads to check for errors in spelling, grammar and punctuation**
* **Uses a colon to introduce a list and a semi-colon within a list**
* **Ensures the consistent and correct use of tense throughout a piece of writing**
* **Uses relative/embedded clauses beginning with; who, which, where, when, whose and that**
* **Uses commas to clarify meaning or avoid ambiguity**
* **Chooses words and phrases that both engage the reader and support the purpose**
* **Chooses words for deliberate effect on the reader**
* Uses a range of similes, personification and metaphors to deliberately affect the reader
* **Spells most of the Y5 and Y6 keywords with accuracy**
* Chooses which shape of a letter
* to use when given choices and decide whether or not to join specific letters
* Chooses the writing implement that is best suited for a task
* **Handwriting is increasingly legible and consistent**
* **Uses devices to build cohesion**
 | * Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero.
* *Calculate difference in temperature, including those that involve a positive and negative temperature.*
* *Describe and extend number sequences including those with multiplication and division steps and those where the step size is a decimal.*
* *Continue to order temperatures including those below 0°C.*
* Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.
* Add and subtract numbers mentally with increasingly large numbers and decimals to two decimal places.
* Add and subtract whole numbers with more than 4 digits and decimals with two decimal places, including using formal written methods (columnar addition and subtraction).
* *Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy*.
* *Calculate difference in temperature, including those that involve a positive and negative temperature.*
* *Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method).*
* *Select a mental strategy appropriate for the numbers involved in the calculation.*
* Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
* Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation.
* Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
* Multiply and divide numbers mentally drawing upon known facts.
* Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.
* Solve problems involving multiplication including using their knowledge of factors and multiples, cubes and squares.
* Solve problems involving multiplication, including scaling by simple fractions and problems involving simple rates.
* Use, read and write standard units of length and mass to a suitable degree of accuracy.
* Estimate *(and calculate)* capacity.
* Multiply and divide numbers and those involving decimals by 10, 100 and 1000.
* Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).
* Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.
* Describe positions on the first quadrant of a coordinate grid.
* Plot specified points and complete shapes.
* 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.
* Know 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°).
* Identify angles at a point on a straight line and a turn (total 180°).
* Identify other multiples of 90°.
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