Heathlands Primary Academy Curriculum Map

Year 5 (Autumn 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**
 | * Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
* *Identify, represent and estimate numbers using the number line.*
* Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.
* *Describe and extend number sequences including those with multiplication and division steps and those where the step size is a decimal.*
* Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
* Solve number problems and practical problems that involve all of the above.
* *Find 1, 10, 100, 1000 and other powers of 10 more or less than a given number than a given number.* Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
* *Identify, represent and estimate numbers using the number line.*
* Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.
* *Describe and extend number sequences including those with multiplication and division steps and those where the step size is a decimal.*
* Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
* Solve number problems and practical problems that involve all of the above.
* *Find 1, 10, 100, 1000 and other powers of 10 more or less than a given number than a given number.*
* *Identify, represent and estimate numbers using the number line.*
* Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.
* *Identify the value of each digit to three decimal places.*
* Read, write, order and compare numbers with up to three decimal places.
* *Find 0.01, 0.1, 1, 10, 100, 1000 and other powers of 10 more or less than a given number than a given number.*
* *Count forwards and backwards in decimal steps.*
* *Describe and extend number sequences including those with multiplication and division steps and those where the step size is a decimal.*
* Round decimals with two decimal places to the nearest whole number and to one decimal place.
* Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
* Solve problems involving number up to three 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).
* *Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method).*
* *Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy*.
* Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
* Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
* Draw given angles and measure them in degrees (°).
* Distinguish between regular polygons based on reasoning about equal sides and angles.
* Use the properties of rectangles to deduce related facts and find missing lengths and angles.
* Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.
* Solve comparison, sum and difference problems using information presented in a line graph.
* Add and subtract numbers mentally with increasingly large numbers and decimals to two decimal places.
* *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.*
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