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ASSESSMENT BOOKLET: KEY PERFORMANCE INDICATORS (KPIs)

Year 6

Year 6 Key Performance Indicators

This booklet outlines the Key Performance Indicators (KPIs) in each subject area of the National Curriculum. For pupils to have achieved the **expected** standard for their year group, they will have demonstrated evidence of achievement for **all** the KPIs. This will be through a variety of methods including written work, observations, discussion, performance and testing.

The KPIs do not represent every aspect of the National Curriculum, rather they are the key indicators against which we assess the pupils' achievement.

Year 6 Key Performance Indicators

	MATHS							
Number	Rounds any whole number to a required degree of accuracy							
Number	Uses negative numbers in context and calculates intervals across zero							
Add & Subtract	Solves addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why							
Multiply & Divide	Multiplies multi-digit numbers up to four digits by a two-digit whole number using the formal written method of long multiplication							
Multiply & Divide	Divides numbers up to four digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context							
Calculation	Uses estimation to check answers to calculations and determines, in the context of a problem, an appropriate degree of accuracy							
Fractions	Uses written division methods in cases where the answer has up to two decimal places							
Fractions	Recalls and uses equivalences between simple fractions, decimals and percentages, including in different contexts							
Fractions	Add, subtract, multiply and divide fractions with different denominators							
Fractions	Solves problems which require answers to be rounded to specified degrees of accuracy							
Ratio & Proportion	Solves problems involving the calculation of percentages eg of measures and calculations such as 15 per cent of 360, and the use of percentages for comparison							
Ratio & Proportion	Solves problems involving unequal sharing and grouping using knowledge of fractions and multiples							
Algebra	Uses simple formulae							
Measure	Uses, reads, writes and converts between standard units of: length, mass, volume and time , using decimal notation to up to three decimal places							
Geometry	Compares and classifies geometric shapes based on their properties and sizes and finds unknown angles in any triangles, quadrilaterals and regular polygons							
Geometry	Draws and translates simple shapes on the coordinate plane and reflects them in the axes							
Statistics	Interprets pie charts and line graphs and uses these to solve problems							
Statistics	Calculates and interprets the mean as an average							

Year 6 Key Performance Indicators

	READING							
Fluency	Demonstrates effortless and fluent reading across all subjects							
Range	Increases familiarity with a wide range of books including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions							
Purpose	Discuss the purpose(s) of the language that is read and understand why the sentences are constructed the way they are							
Vocabulary	A child understands some of the technical and other terms needed for discussing what is heard and read such as metaphor, simile, analogy, imagery, style and effect							
Vocabulary	Applies a growing knowledge of root words, prefixes and suffixes							
Comprehension	Checks that the book makes sense to the reader, discussing the individual's understanding and exploring the meaning of words in context							
Comprehension	Provides reasoned justifications for their views about a book							
Comprehension	Participates in discussions about books that are read and those that can be read independently							
Comprehension	Compare characters, consider different accounts of the same event and discuss viewpoints within the text and across more than one text							
Using the Text	Summarises the main ideas drawn from more than one paragraph, identifying key details that support the main ideas							
Using the Text	Retrieves, records and presents information from non-fiction							

Year 6 Key Performance Indicators

	SCIENCE							
Working Scientifically	Plan different types of scientific enquiries and record data and results of increasing complexity							
	Describe and evaluate their own and other people's scientific ideas related to topics in the national curriculum (including ideas that have changed over time), using evidence from a range of sources							
	Find things out using a wide range of secondary sources of information							
	Use appropriate scientific language and ideas from the national curriculum to explain, evaluate and communicate his/her methods and findings							
Animals including Humans	Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood							
	Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function							
	Describe the ways in which nutrients and water are transported within animals, including humans							
Electricity	Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit							
	Use recognised symbols when representing a simple circuit in a diagram							
Evolution and Inheritance	Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago							
	Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents							
	Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution							
Light	Recognise that light appears to travel in straight lines and use the idea to explain that objects are seen because they give out or reflect light into the eye							
	Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes							
	Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them							
Living Things and their Habitats	Describe how living things are classified into broad groups according to common observable characteristics							
	Give reasons for classifying plants and animals based on specific characteristics							

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	HISTORY							
Historical enquiry	Use documents, printed sources (e.g. archive materials) the Internet, databases, pictures, photographs, music, artefacts, historic buildings, visits to museums and galleries and visits to sites to collect evidence about the past							
Historical enquiry	When investigating own lines of enquiry by posing questions, choose reliable sources of evidence to answer these, realising that there is often not a single answer to historical questions							
Chronological understanding	Identify and compare changes within and across different periods							
Chronological understanding	Order significant events, movements and dates on a timeline and understand how some historical events occurred concurrently in different locations i.e. The Early Roman Empire and Celtic Britain							
Historical Interpretation	Evaluate evidence to choose the most reliable forms and know that people both in the past have a point of view and that this can affect interpretation							
Historical Interpretation	Give clear reasons why there may be different accounts of history, linking this to factual understanding of the past							
Organisation and communication	Plan and present a self-directed project or research about the studied period evaluating the sources and information used							
Knowledge and understanding	Make links between some of the features of past societies (e.g. religion, houses, society, technology)							

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