

Writing	Listen to and tell stories often so as to internalise the structure.	Look at the effect of diet, exercise and drugs.
Narrative	Debate issues and formulate well-constructed points.	Chemistry
Write stories set in places pupils have been.	Mathematics	States of matter
Write stories of mystery and suspense.	Count and calculate in increasingly complex contexts, including those that cannot be experienced first hand.	Look at solids, liquids and gases, changes of state, evaporation, condensation and the water cycle.
Non-fiction	Rigorously apply mathematical knowledge across the curriculum, in particular in science, technology and computing.	Materials
Write instructions.	Deepen conceptual understanding of mathematics by frequent repetition and extension of key concepts in a range of engaging and purposeful contexts.	Look at solubility and recovering dissolved substances.
Write explanations.	Explore numbers and place value so as to read and understand the value of all numbers.	Separate mixtures.
Write biographies.	Add and subtract using efficient mental and formal written methods.	Physics
Write in a journalistic style.	Multiply and divide using efficient mental and formal written methods.	Sound
Write arguments.	Use the properties of shapes and angles in increasingly complex and practical contexts, including in construction and engineering contexts.	Look at sources, vibration, volume and pitch
Write formally.	Describe position, direction and movement in increasingly precise ways.	Working Scientifically
Poetry	Use and apply measures to increasingly complex contexts.	Across all year groups scientific knowledge and skills should be learned by working scientifically. (This is documented in the Essentials for progress section.)
Write haiku.	Gather, organise and interrogate data.	Physics
Write cinquain.	Understand the practical value of using algebra.	Electricity
Write poems that convey an image (simile, word play, rhyme and metaphor).	Science	Look at appliances, circuits, lamps, switches, insulators and conductors.
Reading	Biology	Look at circuits, the effect of the voltage in cells and the resistance and conductivity of materials.
Read and listen to a wide range of styles of text, including fairy stories, myths and legends.	Animals and humans	Use experiences, other subjects across the curriculum and ideas as inspiration for artwork.
Listen to and discuss a wide range of texts.	Look at the digestive system in humans.	Develop and share ideas in a sketchbook and in finished products.
Learn poetry by heart.	Look at teeth.	Improve mastery of techniques.
Increase familiarity with a wide range of books, including myths and legends, traditional stories, modern fiction, classic British fiction and books from other cultures.	Look at the human circulatory system.	Learn about the great artists, architects and designers in history.
Take part in conversations about books.	Evolution and inheritance	Computing
Learn a wide range of poetry by heart.	Look at adaptation to environments.	Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
Use the school and community libraries.	Look at differences in offspring.	Use sequence, selections and repetition in programs; work with variables and various forms of input and output; generate appropriate inputs and predicted outputs to test programs.
Look at classification systems.	Look at adaptation and evolution.	Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.
Look at books with a different alphabet to English.	All living things	Use sequence, selections and repetition in programs; work with variables and various forms of input and output; generate appropriate inputs and predicted outputs to test programs.
Read and listen to whole books.	Look at classification keys.	Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.
Communication	Look at classification of plants, animals and micro organisms.	Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.
Engage in meaningful discussions in all areas of the curriculum.		Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
Listen to and learn a wide range of subject specific vocabulary.		
Through reading identify vocabulary that enriches and enlivens stories.		
Speak to small and larger audiences at frequent intervals.		
Practise and rehearse sentences and stories, gaining feedback on the overall effect and the use of standard English.		

Describe how internet search engines find and store data; use search engines effectively; be discerning in evaluating digital content; respect individuals and intellectual property; use technology responsibly, securely and safely.

Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Design & Technology

Design

Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

Make

Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

Evaluate

Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

Understand how key events and individuals in design and technology have helped shape the world

Technical knowledge

Understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors.

Apply their understanding of computing to programme, monitor and control their products.

Cooking and nutrition

Understand and apply the principles of a healthy and varied diet.

Geography

Locate the world's countries, with a focus on Europe and countries of particular interest to pupils.

Locate the world's countries, with focus on North and South America and countries of particular interest to pupils.

Understand the significance of the geographic zones of the world.

Understand geographical similarities and differences through the study of the human and physical geography of a region or area within North or South America.

Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

Use the eight points of a compass, four-figure grid references, symbols and keys (including the use of Ordnance Survey maps) to build knowledge of the United Kingdom and the world.

Use a wide range of geographical sources in order to investigate places and patterns.

Use fieldwork to observe, measure and record the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs and digital technologies.

History

Britain's settlement by Anglo Saxons and Scots.

The Viking and Anglo Saxon struggle for the Kingdom of England.

Early Civilizations achievements and an in-depth study of one of the following: Ancient Sumer; The Indus Valley; Ancient Egypt; The Shang Dynasty.

A non- European society that contrasts with British history chosen from:

- Early Islamic Civilization
- Mayan Civilization
- Benin.

History of interest to pupils.

Language

In the chosen modern language:

- Speak
- Read
- Write.

Look at the culture of the countries where the language is spoken.

Music

Play and perform in solo and ensemble contexts, using voice and playing instruments with increasing accuracy, control and expression.

Improvise and compose music using the inter-related dimensions of music separately and in combination.

Listen with attention to detail and recall sounds with increasing aural memory.

Use and understand the basics of the stave and other musical notations.

Appreciate and understand a wide range of high-quality live and recorded music from different traditions and from great musicians and composers.

Develop an understanding of the history of music.

Personal Development

Discuss and learn techniques to improve in the eight areas of 'success'.

Study role models who have achieved success.

Study those who have lost success and relate this to the eight areas of 'success'.

Physical Education

Play competitive games, modified where appropriate, such as football, netball, rounders, cricket, hockey, basketball, badminton and tennis and apply basic principles suitable for attacking and defending.

Take part in gymnastics activities.

Take part in athletics activities.

Perform dances.

Take part in outdoor and adventurous activity challenges both individually and within a team.

Religious Education

Study the beliefs, festivals and celebrations of Christianity.

Study at least two other religions in depth. Choose from Buddhism, Hinduism, Islam, Judaism or Sikhism.

Study other religions of interest to pupils.