

Writing	Read and listen to whole books.	Look at the human circulatory system.
Narrative	Communication	Evolution and inheritance
Write stories set in places pupils have been.	Engage in meaningful discussions in all areas of the curriculum.	Look at resemblance in offspring.
Write stories that contain mythical, legendary or historical characters or events.	Listen to and learn a wide range of subject specific vocabulary.	Look at changes in animals over time.
Write stories of adventure.	Through reading identify vocabulary that enriches and enlivens stories.	Look at adaptation to environments.
Write stories of mystery and suspense.	Speak to small and larger audiences at frequent intervals.	Look at differences in offspring.
Write letters.	Practise and rehearse sentences and stories, gaining feedback on the overall effect and the use of standard English.	Look at adaptation and evolution.
Write plays.	Listen to and tell stories often so as to internalise the structure.	Look at changes to the human skeleton over time.
Write stories, letters, scripts and fictional biographies inspired by reading across the curriculum.	Debate issues and formulate well-constructed points.	All living things
Non-fiction	Mathematics	Look at classification keys.
Write instructions.	Count and calculate in increasingly complex contexts, including those that cannot be experienced first hand.	Look at classification of plants, animals and micro organisms.
Write recounts.	Rigorously apply mathematical knowledge across the curriculum, in particular in science, technology and computing.	Look at the effect of diet, exercise and drugs.
Write persuasively.	Deepen conceptual understanding of mathematics by frequent repetition and extension of key concepts in a range of engaging and purposeful contexts.	Physics
Write explanations.	Explore numbers and place value so as to read and understand the value of all numbers.	Light
Write non-chronological reports.	Add and subtract using efficient mental and formal written methods.	Look at sources, seeing, reflections and shadows.
Write biographies.	Multiply and divide using efficient mental and formal written methods.	Explain how light appears to travel in straight lines and how this affects seeing and shadows.
Write in a journalistic style.	Use the properties of shapes and angles in increasingly complex and practical contexts, including in construction and engineering contexts.	Working Scientifically
Write arguments.	Describe position, direction and movement in increasingly precise ways.	Across all year groups scientific knowledge and skills should be learned by working scientifically. (This is documented in the Essentials for progress section.)
Write formally.	Use and apply measures to increasingly complex contexts.	Physics
Poetry	Gather, organise and interrogate data.	Electricity
Learn by heart and perform a significant poem.	Understand the practical value of using algebra.	Look at appliances, circuits, lamps, switches, insulators and conductors.
Write haiku.	Science	Look at circuits, the effect of the voltage in cells and the resistance and conductivity of materials.
Write cinquain.	Biology	Art & Design
Write poems that convey an image (simile, word play, rhyme and metaphor).	Animals and humans	Use experiences, other subjects across the curriculum and ideas as inspiration for artwork.
Reading	Look at nutrition, transportation of water and nutrients in the body, and the muscle and skeleton system of humans and animals.	Develop and share ideas in a sketchbook and in finished products.
Read and listen to a wide range of styles of text, including fairy stories, myths and legends.		Improve mastery of techniques.
Listen to and discuss a wide range of texts.		Computing
Learn poetry by heart.		Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
Increase familiarity with a wide range of books, including myths and legends, traditional stories, modern fiction, classic British fiction and books from other cultures.		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.
Take part in conversations about books.		
Learn a wide range of poetry by heart.		
Use the school and community libraries.		
Look at classification systems.		
Look at books with a different alphabet to English.		

Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.

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.

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

Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.

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 tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately.

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

Investigate and analyse a range of existing products.

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

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

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

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.

Understand geographical similarities and differences through the study of human and physical geography of a region or area of the United Kingdom (different from that taught at Key Stage 1).

Describe and understand key aspects of:

- physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes and the water cycle

- human geography, including: settlements, land use, economic activity including trade links and the distribution of natural resources including energy, food, minerals and water supplies.

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

Changes in Britain from the Stone Age to the Iron Age.

A study of a theme in British history.

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

Use and understand the basics of the staff 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.

Swimming and water safety: take swimming instruction either in Key Stage 1 or Key Stage 2.

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 three of the major six religions not studied in depth in order to gain a brief outline.

Study other religions of interest to pupils.