

<b>Writing</b>	Speak to small and larger audiences at frequent intervals.	Look at classification of plants, animals and micro organisms.
<b>Narrative</b>	Practise and rehearse sentences and stories, gaining feedback on the overall effect and the use of standard English.	Look at reproduction in plants and animals, and human growth and changes.
Write stories set in places pupils have been.	Listen to and tell stories often so as to internalise the structure.	Look at the effect of diet, exercise and drugs.
Write stories that contain mythical, legendary or historical characters or events.	Debate issues and formulate well-constructed points.	<b>Chemistry</b>
Write stories of adventure.	<b>Mathematics</b>	<b>States of matter</b>
Write letters.	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.
Write plays.	Rigorously apply mathematical knowledge across the curriculum, in particular in science, technology and computing.	<b>Physics</b>
Write stories, letters, scripts and fictional biographies inspired by reading across the curriculum.	Deepen conceptual understanding of mathematics by frequent repetition and extension of key concepts in a range of engaging and purposeful contexts.	<b>Sound</b>
<b>Non-fiction</b>	Explore numbers and place value so as to read and understand the value of all numbers.	Look at sources, vibration, volume and pitch
Write instructions.	Add and subtract using efficient mental and formal written methods.	<b>Working Scientifically</b>
Write recounts.	Multiply and divide using efficient mental and formal written methods.	Across all year groups scientific knowledge and skills should be learned by working scientifically. (This is documented in the Essentials for progress section.)
Write persuasively.	Describe position, direction and movement in increasingly precise ways.	<b>Physics</b>
Write non-chronological reports.	Use and apply measures to increasingly complex contexts.	<b>Electricity</b>
Write in a journalistic style.	Gather, organise and interrogate data.	Look at appliances, circuits, lamps, switches, insulators and conductors.
Write formally.	<b>Science</b>	Look at circuits, the effect of the voltage in cells and the resistance and conductivity of materials.
<b>Poetry</b>	<b>Biology</b>	<b>Art &amp; Design</b>
Learn by heart and perform a significant poem.	<b>Animals and humans</b>	Use experiences, other subjects across the curriculum and ideas as inspiration for artwork.
Write haiku.	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.
Write cinquain.	Look at the digestive system in humans.	Improve mastery of techniques.
Write poems that convey an image (simile, word play, rhyme and metaphor).	Look at teeth.	Learn about the great artists, architects and designers in history.
<b>Reading</b>	<b>Evolution and inheritance</b>	<b>Computing</b>
Read and listen to a wide range of styles of text, including fairy stories, myths and legends.	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.
Listen to and discuss a wide range of texts.	<b>All living things</b>	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.
Learn poetry by heart.	Identify and name plants and animals'	Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.
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 classification keys.	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.
Take part in conversations about books.	Look at the life cycle of animals and plants.	
Use the school and community libraries.		
Read and listen to whole books.		
<b>Communication</b>		
Engage in meaningful discussions in all areas of the curriculum.		
Listen to and learn a wide range of subject specific vocabulary.		
Through reading identify vocabulary that enriches and enlivens stories.		

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.

#### 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

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

#### Technical knowledge

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

Understand and use mechanical systems in their products, such as gears, pulleys, cams, levers and linkages.

#### Cooking and nutrition

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

Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.

Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.

### Geography

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

Identify key geographical features of the countries of the United Kingdom, and show an understanding of how some of these aspects have changed over time.

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.

### 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.

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 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.

### 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.