

Writing	Listen to and tell stories often so as to internalise the structure.	Computing
Narrative	Mathematics	Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
Write stories set in places pupils have been.	Rigorously apply mathematical knowledge across the curriculum, in particular in science, technology and computing.	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.
Write stories of adventure.	Deepen conceptual understanding of mathematics by frequent repetition and extension of key concepts in a range of engaging and purposeful contexts.	Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.
Write letters.	Explore numbers and place value so as to read and understand the value of all numbers.	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.
Write stories, letters, scripts and fictional biographies inspired by reading across the curriculum.	Multiply and divide using efficient mental and formal written methods.	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.
Non-fiction	Use and apply measures to increasingly complex contexts.	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.
Write instructions.	Science	Design & Technology
Write recounts.	Biology	Design
Write non-chronological reports.	Animals and humans	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.
Write biographies.	Look at nutrition, transportation of water and nutrients in the body, and the muscle and skeleton system of humans and animals.	Make
Write in a journalistic style.	Look at teeth.	Select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately.
Poetry	Chemistry	Evaluate
Learn by heart and perform a significant poem.	Rocks and fossils	Investigate and analyse a range of existing products.
Write haiku.	Compare and group rocks and describe the formation of fossils.	Technical knowledge
Write poems that convey an image (simile, word play, rhyme and metaphor).	Physics	Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
Reading	Light	Cooking and nutrition
Read and listen to a wide range of styles of text, including fairy stories, myths and legends.	Look at sources, seeing, reflections and shadows.	Understand and apply the principles of a healthy and varied diet.
Listen to and discuss a wide range of texts.	Explain how light appears to travel in straight lines and how this affects seeing and shadows.	Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.
Learn poetry by heart.	Working Scientifically	
Increase familiarity with a wide range of books, including myths and legends, traditional stories, modern fiction, classic British fiction and books from other cultures.	Across all year groups scientific knowledge and skills should be learned by working scientifically. (This is documented in the Essentials for progress section.)	
Take part in conversations about books.	Art & Design	
Use the school and community libraries.	Use experiences, other subjects across the curriculum and ideas as inspiration for artwork.	
Read and listen to whole books.	Develop and share ideas in a sketchbook and in finished products.	
Communication	Improve mastery of techniques.	
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.		
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.		

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.

Locate the geographic zones of the world.

Understand the significance of the geographic zones of the world.

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.

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

Ancient Greece.

Language

In the chosen modern language:

- Speak
- Read
- Write.

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.

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

Personal Development

Discuss and learn techniques to improve in 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.

Additional Content**PSHE**

Discuss and learn techniques to improve in the 8 areas of success.

1. To try new things
2. To work hard
3. To concentrate
4. To push oneself
5. To imagine
6. To improve
7. To understand others.
8. To not give up

See Curriculum Map 2018 to 2019 for Personal, Social and Health Education.

Art Design and Tech

Ensure a specific mini-topic on textiles throughout the year.

Follow curriculum map for art, design and technology.

Charanga Music

See Charanga Music School curriculum map.

School Geography

See Curriculum Map for Geography 2018 to 2019 for specific topics within each term.

Children to ask geographical questions, such as, What is a place like? What will I see/feel/hear in this place?

School Geography

Use fieldwork to observe, measure, record and present the human and physical features at Millbrook Primary School using a range of methods, including sketch maps, plans and graphs, and digital technologies.

School History

Study Kirkby through the years and describe how it has changed over time.

School PE

Please see Mr Webster's Curriculum Map which will identify specific sports at specific times of the year. This must be adhered to at all times.

All classes must use school orienteering course as appropriate.

School Mathematics

All classes will follow White Rose Mathematics Planning including the yearly overview for year groups and mixed age classes.

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. (Y3)

Nelson Grammar

All year groups complete discrete weekly grammar lessons from the Nelson Grammar. In addition, daily grammar starters will be incorporated into most lessons.

Communication

A word of the day will be used most days, where appropriate to develop vocabulary throughout school.

School Computing

See Curriculum Map for Computing 2018 to 2019 for specific topics within each term and specified visits from specialist computing experts.

School R. E.

See Curriculum Map for Religious Education 2018 to 2019 for specific topics within each term. The curriculum map is also delivered through planned assemblies.

School Science

See Curriculum Map for Science.

Spelling Mastery

All children to take part in daily spelling mastery lessons.
