

## Maths

- Power Maths Scheme followed for Year 5 and 6
- National Curriculum strands covered
  - Number—addition, subtraction, multiplication, division
  - Fractions, percentages, decimals
  - Ratio
  - Algebra
  - Measurements
  - Geometry— shape, position, properties
  - Statistics and data
  - Mental maths and arithmetic skills

Maths will be taught through the topic of The Victorians linking the strands to as many areas as possible.

## History

- The Victorians -The British Empire-a significant turning point in British History- Understanding the impact that the Victorians had , the inventions and engineering, the industrial revolution, changes throughout the empire, changes over time British, Local and world history
- whole across the world

**PSHE and Safeguarding**  
Internet safety, keeping ourselves safe, respect of others, environment, STEM

## Geography

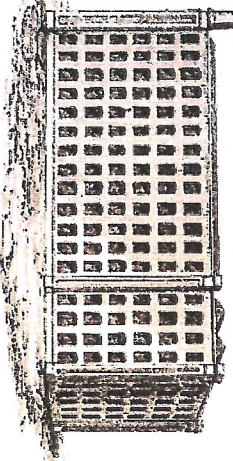
- Identifying the countries that were part of the British Empire and where they are situated on a map
- Studying maps and the geography of the countries
- Studying the economical, social and political affects of the British Empire- trading
- Investigating weather and climate change over time

## English

- Fiction- narrative- Flashbacks, stories about Victorian mill and workhouse children, Oliver Twist.

- Non-Fiction- Instructional writing- how to make the waterwheel power the mill, Non Chronological Reports- Victorian inventions and engineering. Journalistic writing- Newspaper reports about the impact the child labour laws of 1800's- Persuasive writing and balanced arguments- mill children and chimney sweeps- recounts as Victorian children, explanations- how it works  
Poetry- Based on Dickens

# The Victorians



## Science

- Electricity- Investigating the invention of the light bulb and electricity, looking at the change from gas to mains. The history of electricity and its importance in powering inventions and large engineering projects. The change from water power.

- Evolution and Inheritance- Investigating Charles Darwin's ideas on evolution. Recognising that living things produce offspring, looking at how plants and animals can adapt to their environment and what environments are.

## Art and Design

- William Morris style, prints and fabrics- sketching designs based on William Morris and reproducing these onto fabrics and silks.
- Looking at the work of William Morris- bringing the outdoors and wildlife into Victorian homes.

- P. A. S sports- for outdoor games- football- tag rugby- netball- high fives

- Gymnastics- Circuit training- Victorian style drill gym sessions to improve fitness and motivation.

## D and T

- Design and make a stroboscope- using torches, images and shadows
- Fabric printing and bag making- creating individual fabric prints based on William Morris designs

## R.E.

- Derbyshire Scheme
- Christianity- The Christian life and faith
- Hinduism and Buddhism- The life and times- as it was in India during the rule of the British Empire

## Educational Visit / Themed Days

Blist Hill Victorian Outdoor Museum

## Languages

- To study a modern foreign language- German / French - To study language used throughout the British Empire- specialising in German- Prince Albert's native language

## Music

- Listening and appreciation- Listening to a range of traditional music from the Victorian era and recognising and understanding instruments.
- Composition- in small groups compose a piece

## English Objectives

Competent in the arts of speaking and listening, making formal presentations, participating in debates.

Acquire a wide range of vocabulary

Write clearly, accurately and coherently, adapting their language and style in and for a range of contexts, purposes and audiences

Develop the habit of reading widely and often, for both pleasure and information read easily, fluently and with good understanding

Articulate and justify answers, arguments and opinions

Gain, maintain and monitor the interest of the listener(s)

Preparing poems and plays to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience

Explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary

Reading all covered  
Writing all covered— plan draft evaluate— transcript and compare— **SPA6**  
Spelling all covered  
Write legibly, fluently with increasing speed.

**RE Objectives**  
Derbyshire scheme  
Plus Buddhism and Hinduism with regard to India as part of the British Empire

## Maths Objectives

Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language

Solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Read, spell and pronounce mathematical vocabulary accurately

Number— Number and place value  
Number— Addition and subtraction  
Number— Multiplication and Division  
Number— Fractions, decimals, percentages

Measurement  
Geometry— Property of shape  
Geometry— Position and direction  
Statistics  
Ratio and proportion —Y6  
Algebra—Y6

All aspects covered throughout

**Art and Design Objectives**  
Become proficient in drawing, painting, sculpture and other art, craft and design techniques

Know about great artists, craft makers and designers, and understand the historical and cultural development of their art forms.

Taught about great artists, architects and designers in history.  
To evaluate and analyse creative works using the language of art, craft and design.

## Science Objectives

Planning different types of scientific enquiries— recognising and controlling variables  
Taking accurate measurements using a range of scientific equipment  
Recording data and results, using scientific diagrams and labels, tables, graphs etc

Using test results to make predictions  
Reporting and presenting findings and results— in oral and written form  
Identifying scientific evidence that has been used to support or refute ideas/arguments

**Evolution and Inheritance Y6**  
Recognise that living things change over time and fossils provide information about living things from millions of years ago

Recognise that living things produce offspring that are not identical to parent

Identify how animals and plants are adapted to suit their environment in different ways and adaptation may lead to evolution

**Electricity Y6**  
Associate the brightness of a lamp or volume of a buzzer with the number of voltages of cells used in the circuit  
Compare and give reasons for variations in how components function— in-brightness, loudness and switches

Use recognised symbols when representing a circuit in a diagram

**Languages Objectives**  
Understand and respond to spoken and written language from a variety of authentic sources

Listen attentively to spoken language show understanding by joining in and responding  
Read carefully and show understanding of words, phrases and simple writing  
Speak in sentences, using familiar vocabulary, phrases and basic language structures

## History Objectives

Gain historical perspective by placing growing knowledge into different contexts, understanding the connections between local, regional, national and international history; cultural, economic, military, political, religious and social history; and between short- and long-term timescales.

Gain and deploy a historically grounded understanding of the term **EMPIRE** know and understand the history of British Isles— from the earliest times to the present day: how people's lives have shaped this nation and how Britain has influenced wider world

To know and understand significant aspects of history of the wider world; the expansion and dissolution of empires.

A Local History study  
study British history— Changing powers of Monarchs— Queen Victoria

**Geography Objectives**  
Interpret a range of sources of geographical information, including maps, Develop contextual knowledge of the location of globally significant places

Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

Name and locate countries and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics.

Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals, water

use maps, atlases, globes and digital/computer mapping

## Design + Technology Objectives

Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products

Develop the creative, technical and practical expertise needed to perform everyday tasks confidently

Critique, evaluate and test their ideas and products and the work of others  
Design use research and design criteria to inform the design of innovative, functional, appealing products that are fit for purpose.

Make select from and use a wider range of materials and components, including textiles  
Evaluate their ideas and investigate a wide range of existing products to improve their work

Understand how key individuals in design have helped shape the world

**Music Objectives**  
Perform, listen to, review and evaluate music across a range of historical periods; genres, styles and traditions, including the works of the great composers and musicians

Develop an understanding of the history of music.  
Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

Improvise and compose music for a range of purposes using the inter-related dimensions of music

**PE Objectives**  
Develop competence to excel in a broad range of physical activities  
Be physically active for sustained periods of time  
Compare their performances with previous ones and demonstrate improvement to achieve their personal best.  
Play competitive games, modified where appropriate

## Computing Objectives

Responsible, competent, confident and creative users of information and communication technology.

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

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.