

Maths:

- **Fractions**
Multiplying and dividing fractions, fractions of an amount.
- **Converting units of measure**
Metric measures, converting metric measures, miles and kilometres
- **Understanding Ratio**
Ratio language, scale drawing, scale factors, ratio problems, proportion problems
- **Algebra**
One and two step functions, expressions, substitutions, formulae, form equations, solve equations.

English:

Kensukes Kingdom
Character description
Setting Description
3rd Person Narrative

Shackleton
Biography, Diary

Poetry—The
Dreadful Menace
Diaries / Political Address



Science:

Electricity: This unit 'Electricity' takes children through six lessons where they learn how to: associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit; they learn how to compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches; and finally, they use recognised symbols when representing a simple circuit in a diagram.

Light: This unit 'Light' takes children through six lessons where they learn how to: recognise that light appears to travel in straight lines; use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye; explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes; and finally, children learn how to use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Looking After the Environment
This unit 'Looking after the Environment' takes children through six lessons and is designed to complement the DfE's sustainability science curriculum. Children explore: the core concepts – 'so what the climate is, how it changes, the difference between a man-made and natural environment and where different types of animals live'.

Year 6 - Autumn / Spring Term
Conflicts that Changed the World



Guided Reading:

Kensuke's Kingdom
Ancient Greece / World War 2 —Information books



Hook: Local Study - War in Cowes Presentations

Celebration: Air Raid Shelters

Home Learning—Local Research - Cowes at War

History:

- Describe the features of ancient Greece. Identify the key periods in the ancient Greek civilisation. Make inferences about Greek gods. Research a Greek god. Compare Athens and Sparta. Understand the different types of democracy. Explain how Athenian democracy worked. Explain what philosophy is. Identify the achievements of the ancient Greek philosophers. Identify the ancient Greeks' legacies and their impact.
- Important historical events in our locality—WW2
- Identify the causes of World War 2. Identify the different phases in the Battle of Britain.
- Make inferences and deductions about a photograph. Describe how children may have felt when evacuated. Evaluate the accuracy and reliability of sources. Describe the impact WW2 had on women's lives.

Geography:

Locate countries in Europe and North and South America using maps.
Locate key human features in the countries studied. Identify key physical and human characteristics of geographical regions in the UK. Explain why a locality has changed over time, giving examples of both physical and human features. Explain how and why humans have responded in different ways to their local environments in two contrasting regions. Understand how climates impact on trade, land use and settlement. Understand some of the impacts and causes of climate change. Give examples of alternative viewpoints and solutions used in regards to an environmental issue and explaining how this links to climate change. Describing and understanding economic activity, including trade links. Suggest reasons why the global population has grown significantly in the last 70 years. Describing the 'push' and 'pull' factors that people may consider when migrating. Recognise geographical issues affecting people in different places and environments. Describe and explain how humans can impact the environment both positively and negatively, using examples. Confidently use and understand maps at more than one scale. Use atlases, maps, globes and digital mapping to locate countries studied.

Computing:

6.2 Online Safety—3 sessions —Message in a Game, online Behaviour, Screen Time
6.1 Coding 6 sessions—Design and make a more complex programme, functions, flowcharts and control simulations, user input, text based

Art and Design:

Sketching
In this art unit the children will explore a range of Charles Darwin's sketches from Origin of Species as well as a range of drawing techniques including focusing on detail in images and experimenting with mixed media.

Design Technology: Spring

Stable Structures—Bomb shelters
To investigate the purpose and appearance of the shelters
To investigate materials and features of the shelters
To design, make and evaluate a bomb shelter

Music:

Dynamics, pitch and texture (Theme: Coast - Fingal's Cave by Mendelssohn)
Songs of World War 2
Film music

MFL - French:

French transport
French Sport and the Olympics
French Football Champions

PSHE:

Coram / Scarf
Me and My Relationships
Alcohol Awareness
Rights and Responsibilities
Valuing Difference

Religious Education

- Ritual- Wudu and Eid-ul-Fitr Ancient Islam
- Resurrection