



Respect Resilience Responsibility

# Curriculum Information for Year 6—Autumn 2021

## This term we will...

### Maths:

#### Learn how to:

- Calculate intervals across 0 using negative numbers.
- Read, write, order and compare numbers to 10,000,000.
- Add and subtract using whole/decimal numbers.
- $\times$  multi-digit numbers, including decimals, by a two digit number.
- $\div$  multi-digit numbers by a two digit number.
- Use BODMAS to calculate.
- $\times$  and  $\div$  decimals with up to three decimal places by 10, 100, 1000.
- Use  $\times$  facts to derive new facts including decimals.

We will focus on using mental and written methods to solve calculations, reason and problem-solve about numbers. We will then move onto to study fractions, decimals and percentages.

### Science: Light and Electricity

#### Learn that:

- Light appears to travel in straight lines.
- Light is made up of a spectrum of colours that can be observed by refracting light through a prism.
- We can observe objects because light that they emit or reflect travels in straight lines into our eye.
- The brightness of a lamp or volume of a buzzer can be changed in a circuit.

#### Learn how to:

- Draw light diagrams that show how light travels from a light source or object to our eyes.
- Recognise and use symbols in circuit diagrams.

#### Design:

- Circuits with specific purposes and explain how they would work.

### English:

#### Learn how to:

Write to entertain and inform, working on the following texts and skills:

- Biographical and autobiographical writing—group and structure information within paragraphs for clarity and coherence.
- Poetry—read, write and perform a variety of poems, concentrating on the authors/poets' use of figurative language, punctuation and descriptive techniques.
- Descriptive Writing—further develop their use of descriptive and figurative techniques to create characters/settings of their own.
- Grammar—main and subordinate clauses, relative clauses, expanded noun phrases, adverbials, use of colons, subjects and verbs, types of sentences.
- Spelling— alternative spelling patterns for 'shun' and 'shus' sounds e.g. tion/sion/cian, cious/tious.

#### Reading

- The children will read texts as a whole class and practise using various comprehension skills such as inference, deduction, summarising, predicting and retrieval. They will use Reading Plus to regularly practise these skills individually and increase fluency, stamina and vocabulary.

### Computing:

#### Learn how to:

Keep safe on the internet, with a focus on:

- Online profiles.
- Personal information—what is safe to share and with whom.
- Levels of privacy.
- Cyber-bullying.

### P.E.

#### Learn:

- Indoor athletics skills—practising and improving running, throwing and jumping skills.
- Golf—practising, improving and refining putting and chipping skills; solving-problems; teamwork, co-operation, honesty and fairness; and designing courses with obstacles of their own.

### History

#### Learn:

- That Vikings came from Scandinavia and left their homeland to find new land to raid/farm.
- Vikings first landed on the North East coast (Lindisfarne).
- The dates of several battles including Stamford Bridge, The Battle of Eddington, The Battle of Maldon.
- And explain how Britain changed through the establishment of the Viking Danelaw.

### Art/DT

#### Learn how to:

- Make Viking knots—Odin's Triangle.
- Design and make a Viking longboat.
- Create artwork based on:
  - landscapes of Norway Hardangervidda and Fjords and The North Yorkshire Moors.
  - 'The Scream' by Edvard Munch.
  - the theme of 'Reduce, Reuse, Recycle'.

### Geography

- **Identify** features on a variety of different maps.
- **Identify** similarities and differences between the North Yorkshire Moors and Hardangervida in Norway.
- **Identify** key features of different landscapes.

### Music

- **Listen** to different styles of music and begin to talk about it using musical language.
- **Perform** as a group and be able to provide simple accompaniment.
- **Learn** about the music of a range of different historically important artists.

### French

- **Use** words to describe the classroom.
- **Discuss** likes and dislikes.
- **Talk** about hobbies and activities.
- **Say** what colours of different objects.

### R.E.

- **Learn** facts about Buddhism- origins, who Buddha was.
- **Understand** particular aspects of Buddhism—the Four Noble Truths, Eightfold Path, Enlightenment, Karma, Wheel of Light, Meditation.
- **Know** the key events in Buddha's life.

### P.S.H.E.

- **Understand** why we have rules.
- **Learn** about rights and responsibilities.
- **Look** at moral and cultural issues and use imagination to understand people's experiences.
- **Look** at how we can resolve differences by looking at solutions.