



## Year 5 and 6 Curriculum Autumn 2021

### Maths

#### ★ Place Value

*Numbers to 10,000, 100,000, a million, ten million, Roman numerals to 1000, compare and order numbers, rounding, counting in 10s, 100s, 1000s, 10,000s and 100,000s, negative numbers*

#### ★ Four Operations

*Add and subtracts whole numbers with more than 4-digits, inverse operations, multi-step problems, multiples, common multiples, multiply and divide by 10, 100, 1000, multiply 4-digits by 1 and 2-digits, multiply 2, 3, 4-digits by 2-digits, factors, common factors, prime, prime factor and square and cube numbers*

### Computing

#### Computer Systems & Networks

★ In this unit, the class will learn about the World Wide Web as a communication tool. They will learn how we find information on the WWW, through learning how search engines work (including how they select and rank results) and what influences searching. They focus on internet-based communication. & evaluate which methods of internet communication to use for different purposes.

### French

#### Eating Out

★ This unit includes vocabulary and conversations linked with eating out and buying food. Pupils will learn how to order food and drinks in cafés and restaurants, as well as how to ask for a table. They will practise some of the numbers covered in the Core Units, talking about costs and amounts of products.

### English

#### **Fiction – Viking Boy**

- ★ Narrative
- ★ Character Description
- ★ Poetry

#### **Spelling, Punctuation and Grammar: Ready to Write**

- ★ Modal verbs
- ★ Relative Clauses
- ★ Expanded noun phrases



### Vikings

In this topic, the children will learn about the Viking early raids and settlements. They will learn where the Vikings came from and how and why they travelled. Through studying maps and place names they will see how they settled. They will look at artefacts and accounts and weigh up how reliable primary source material can be. We will visit Jorvik to answer our Big Question: Were the Vikings Really That Vicious?

### RE

★ Science and Creation: Conflicting or Complementary? In this unit, children will reflect on the texts, Genesis 1 and Psalm 8. They will learn about cosmology and reflect on how many Christians believe that science and faith can be complementary.



### Science

#### Living Things and their Habitats

★ In this unit, children will learn about classification of living things, including micro-organisms. They will sort animals into groups based on their similarities and differences. They will find out about the standard system of classification first developed by Carl Linnaeus, design their own 'curious creature' and classify it based on its characteristics. They will learn about micro-organisms, and investigate the growth of mould on bread.

### PSHCE

#### Me & My Relationships

★ This unit is designed to help children further develop their understanding about friendships. The lessons centre around themes such as: collaboration, give and take, how to be a good friend, emotional needs and communication.

### Music

#### Musical Foundations

★ Children will consolidate and develop the fundamentals of music, through songs, games and body percussion. They will focus on rhythm, beat, pitch and musical notation. They will sing in parts and use tuned percussion to play chords together.

### PE

#### Tag Rugby

★ The children will learn a range of attacking and defending tactics as well as building on skills when moving with a ball.

## Maths

### ★ Fractions

Equivalent fractions, simplify fractions, improper fractions and mixed numbers, counting in fractions, compare and order fractions, addition and subtract fractions, add fractions within 1, add 3 or more fractions, add and subtract mixed number fractions, subtract breaking the whole, subtract 2 mixed numbers, mixed addition and subtraction

## Computing

### Data and information – Flat-file databases

★ Pupils use tools within a database to order and answer questions about data. They create graphs and charts from their data to help solve problems. They use a real-life database to answer a question, and present their work to others.

## French

### On Holiday

★ Children will learn the vocabulary needed to describe where they are going, where they're staying and how long they're staying on holiday. This unit gives pupils the chance to develop their grammar skills by learning about the perfect past tense.

## RE

### Incarnation: Was Jesus the Messiah?

★ Children will explain Incarnation and Messiah within the 'big story' of the Bible, identify Gospel and prophecy texts using technical terms, explain connections between biblical texts, Incarnation and Messiah and show how Christians put their beliefs about Jesus' Incarnation into practice in different ways in celebrating Christmas.

## English

### **Fiction:**

★ Narrative

### **Non-fiction:**

★ Persuasive Writing (Letter)

★ Non-Chronological Report

### **Spelling, Punctuation and Grammar:**

★ Relative Clauses

★ Synonyms and Antonyms



## Science

### Electricity

★ Children will learn to represent circuits using symbols in a diagram.

★ They will learn about two important scientists: Thomas Edison and Nikola Tesla. They will develop their understanding of what electricity is and how to measure it through investigations.

## PSHCE

### Valuing Difference

★ In this unit, children will explore the qualities of friendship. They will learn about kind conversations and acceptance through 'Happy Being Me'. They will reflect on how we are similar and different and learn compassion by reflecting on how 'It could happen to anyone'.

## Music

### Christmas Performance

★ During this topic, the children will learn a range of Christmas songs to perform. They will sing in rounds and have the opportunity for solos, duets and group singing.

## PE

### Swimming

★ The children will learn swimming through a 2-week block of lessons.

### Gymnastics

★ The children will develop confidence in fundamental movements: jumping, sliding, rolling, moving over, under and on apparatus and develop coordination and gross motor skills.

## **Is There Enough for Everyone?**

In this topic, the children will learn about the COP26 conference in Glasgow. They will correspond with children from our Global Partner school in Zimbabwe to develop a deeper understanding of climate change. The children will learn about renewable energy and the commitments made by global leaders. They will look at how climate change is affecting countries around the world as well as our own area. They will explore their own opinions about these issues and decide what they will do to take action. In Design Technology, we will be making a bag out of recycled clothing, evaluating existing products on the market and designing using 3D imaging software.

**CLIMATE CHANGE  
& COP26**

