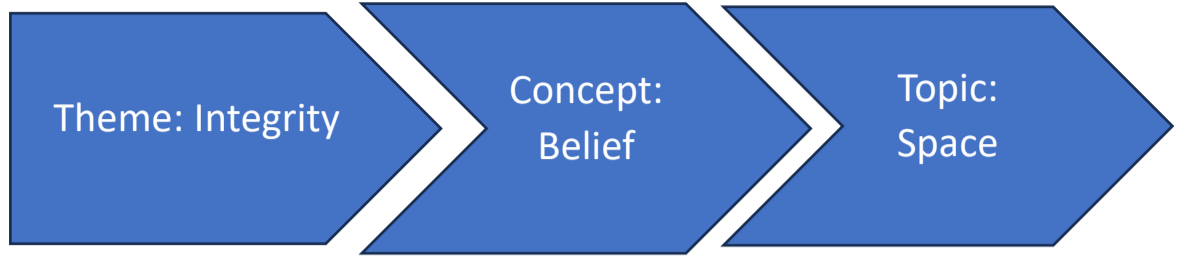


# Whaley Thorns Primary School

## Year 4/5 Autumn Planning 2023-2024



### Our Reading Curriculum



### English

**Writing objectives:** To write neatly, legibly and fluently and space lines of writing sufficiently so that the ascenders and descenders of letters do not touch and the downward strokes of letters are parallel and equidistant.  
To use punctuation correctly such as brackets, commas or dashes for parenthesis and commas to clarify meaning or avoid ambiguity.  
To use inverted commas and other punctuation to indicate direct speech, a comma after a fronted adverbial and possessive apostrophes for regular singular and plural nouns.  
To further develop the range of conjunctions used and understand and use relative pronouns.  
To understand and use noun phrases that are expanded with modifying adjectives, nouns and prepositional phrases.  
To use a range of informal and formal language in speech and writing and link ideas across paragraphs cohesively and accurately using adverbials of time.  
To plan and edit writing, learning from the effectiveness of own and others' writing and making improvements including reading own writing to a partner, group or class using appropriate intonation/volume to make the meaning clear.  
To produce a final draft of a piece of writing.  
To use a variety of creative techniques to engage the reader. Writing outcomes: diary entry, newspaper article, narrative.

**Reading objectives:** To apply knowledge of root words, prefixes and suffixes/word endings to read aloud fluently.  
To read most words fluently and attempt to decode any unfamiliar words with increasing speed and skill, recognising their meaning through contextual cues.  
To read all exception words, discussing the unusual correspondences between spelling and these occur in the word.  
To identify how language, structure and presentation contribute to meaning and summarise main ideas from the text.  
To participate in discussions about books that are read to/by pupils; building on their own and others' ideas as well as courteously challenging views.

### Mathematics Year 4

#### Place value- 4 digit numbers/ Place value 2- 4 digit numbers

Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.  
Count in multiples of 6, 7, 9, 25 and 1000.  
Find 1000 more or less than a given number.  
Recognise the place value of each digit in a four-digit number.  
Identify, represent and estimate numbers using different representations order and compare numbers beyond 1000.  
Identify, represent and estimate numbers using different representations.  
Round any number to the nearest 10, 100 or 1000.

#### Addition and Subtraction

Solve number and practical problems that involve all of the above and with increasingly large positive numbers.  
Add and subtract numbers with up to 4 digits.  
Estimate and use inverse operations to check answers to a calculation.  
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

#### Measure- area

Find the area of rectilinear shapes by counting square.  
Estimate, compare and calculate different measures, including money in pounds and pence.

#### Multiplication and Division

Recall multiplication and division facts for multiplication tables up to  $12 \times 12$ .  
Use place value, known and derived facts to multiply and divide mentally.

### Mathematics Year 5

#### Place Value within 1,000,000/Place Value within 1,000,000 2

Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit .  
Count forwards/ backwards in powers of 10 for any given number up to 1,000.  
Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.  
Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.

#### Addition and Subtraction

Estimate and use inverse operations to check answers to a calculation.  
Add and subtract whole numbers with more than 4 digits.  
Add and subtract numbers mentally with increasingly large numbers.  
Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.

#### Multiplication and Division

Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.  
Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.  
Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000.  
Recognise and use square numbers and cube numbers, and the notation for squared ( $^2$ ) and cubed ( $^3$ ).

#### Fractions/Fractions 2

Compare and order fractions whose denominators are all multiples of the same number.  
Identify, name and write equivalent fractions of a given fraction  
Recognise/convert mixed numbers and improper fractions  
Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

### Humanities

**History: How has Derbyshire changed over time?** -Know about Derbyshire's Roman origins.

Discuss the different jobs in Derbyshire and why they have changed.  
Know about the significance of Cresswell Crags.  
Describe key events and people in the town's history that have influenced society.

**Geography: Why do so many British people go on holiday to Europe?**

Locate the Mediterranean on a map and globe and know which countries are on the Mediterranean coast.  
Consider the climate of the UK and Mediterranean each month.  
Compare and contrast a Mediterranean holiday resort with one in the UK.  
Consider similarities and differences of food, languages, lifestyle especially jobs.

### Science

#### Earth and Space

Explore the solar system and its planets.  
Understand the heliocentric model of the solar system.  
Explain Earth's movement in space and night and day rotation. Explain the movement of the Moon.  
Design a planet using knowledge gained.

#### Forces

Explore gravity and the life and work of Isaac Newton.  
Examine the connection between air resistance and parachutes.  
Explore factors which affect an object's ability to resist water.  
Investigate the effects of friction on different surfaces.  
Investigate mechanism – gears, levers and pulleys.

### Expressive Arts & Design

**DT**  
Sketch familiar objects with increasing accuracy, including self-portraits.  
Use tools effectively to develop a wide range of techniques.  
Competently use primary colours to create secondary colours and vary shades and tones.  
Improve mastery in observational drawing, including shading.  
Use tools effectively to develop a wider range of shading techniques.  
Use primary colours to create secondary and tertiary colours, and vary shades and tone.

#### Drawing & Painting

Artist Link - Michelangelo Buonarotti  
Sketch familiar objects with increasing accuracy, including self-portraits  
Use tools effectively to develop a wide range of techniques, including shading techniques.  
Competently use primary colours to create secondary and tertiary colours and vary shades and tones.  
Improve mastery in observational drawing, including shading.

### Music

#### Musical structures and Exploring feelings

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

**French Greetings:** To introduce yourself and you family.

To say how old you are.

To ask how someone is feeling.

**Body parts:** To label some parts of the body in French.

To describe yourself in French.

### RE

#### Why is Jesus inspiring to some people? (Christians)

Make connections between some of Jesus' teachings and the way Christians live today.  
Describe how Christians celebrate Holy Week and Easter Sunday.  
Identify the most important parts of Easter for Christians and say why they are important.  
Give simple definitions of some key Christian terms and illustrate them with events from Holy Week and Easter.

### Computing

#### Computers & Networks - Systems & Searching.

Explain computers can be connected together to form systems.  
Recognise the role of computer systems in our lives and experiment with search engines.  
Describe how they select result.  
**Flat-file databases**  
Understand how to a form to record information.  
Outline how you can answer questions by grouping, sorting and searching data.  
Explain that tools can be used to select specific data and be displayed visually.  
To use a real-life database to answer questions.

### PSHE & RSE

#### Exploring emotions

Recognise and respond to range of emotions.  
Understand their actions affect themselves and others.  
Develop strategies to resolve disputes/manage emotions.  
Deepen understanding of good and bad feelings.  
Extend vocabulary to help explain intensity of feelings.  
Recognise conflicting emotions.  
**Bullying matters**  
Understand their actions affect themselves and others.  
Develop strategies for getting support for themselves/others at risk.  
Identify differences/similarities arise from a range of factors.  
Understand nature and consequences of discrimination bullying/aggressive behaviour.  
Know how to recognise bullying and abuse.

### PE

#### Swimming

Use a range of strokes effectively.  
Perform safe self-rescue in different water-based situations.  
Swim competently, confidently and proficiently over a distance of 25m.

#### Hockey

Perform the basic dribble.  
Perform control.  
Perform passing and dribbling at speed.  
Perform the block tackle.  
Know basic rules of Quicksticks.