

# Year 5

## Curriculum Map Autumn Term

# 2024

believe  
achieve  
succeed

## Maths

### Unit 1: Place value

Children will learn to recognise, write, compare and order numbers up to 1,000,000.

### Unit 2: Addition and subtraction

Children will learn how to add and subtract numbers with more than four-digits both mentally and using formal written methods.

### Unit 3: Multiplication and division

Children will begin to multiply and divide by numbers up to 1,000 and identify multiples, factors, square and prime numbers.

### Unit 4: Fractions

Children will learn to recognise, order, compare, add and subtract a variety of fraction types.

### Times tables:

Revision of all times tables and division facts up to  $12 \times 12$ .

## Art & Design

### Design Technology

**DT (Autumn 1):** Children begin to explore electrical systems and investigate how motors are constructed to build their own.

**Art (Autumn 2):** Children will learn about the features of installation art and how it can communicate a message.

## Science

**Autumn 1:** Children will explore properties of everyday materials and reversible and irreversible changes to them.

### Autumn 2:

We will explore different forces, such as friction, air and water resistance, investigating their effects. They will also explore how pulleys, levers and gears work and are constructed.

## Music

### Looping and remixing

**(Autumn 1):** Children will learn how to use loops to create a whole piece of music and perform looped body percussion in rhythm.

### Blues (Autumn 2):

Children are introduced to this famous genre of music and its history, and learn to identify the key features and mood of Blues music and its importance and purpose.

## History

### Geography

**History (Autumn 1):** Children will learn about the Vikings, including who they were, when and why they came to Britain and what impact they had.

### Geography (Autumn 2):

Children will learn what life is like in the Alps and where this is in the world, making links to everyday life in Britain.

## Religious Education

### Autumn:

Why do people have to stand up for what they believe in?

Children will be investigating historical and modern-day examples of people who have fought for their beliefs.

We will consider the notion of freedom and how religion impacts the freedom of self and others.

## Learning for Life

### Family and Relationships:

Children will learn to take greater responsibility for sleep, sun safety, healthy eating and managing feelings; setting goals and embracing failure; understanding the importance of rest and relaxation.

## French

This term, we will be recapping some basic phrases we have learned. We will then be focussing on aspects of 'Where I live' and directions.

In Autumn 2, we will be looking at describing things in the home and prepositions.

## PE

**Autumn 1:** Children will learn about gymnastics and football, such as striking and dribbling in a controlled manner with the ball.

**Autumn 2:** Children will learn about fitness and basketball, working on endurance in fitness and dribbling skills and passing in basketball.

## Computing

**Sharing information:** Children will develop their understanding of computer systems and how information is transferred.

### Selection in physical computing:

Children will explore the concept of selection in programming through the use of the Crumble programming environment.

## English

### Writing:

We will be generating varied writing opportunities using high quality texts as stimuli from which to write. For example, we will begin by studying the book, **Queen of the Falls**, which will enable children to write diary entries and partake in debates and discussions.

### Reading:

Through daily whole class reading sessions, children will continue to develop both their fluency and comprehension skills by engaging in discussion around high quality texts and exploring different genres. Children will then go onto answering vocabulary, inference, prediction, explanation, retrieval and summary questions related to topics. For our class book, we will be reading 'Wonder' by R.J Palacio.

### Grammar:

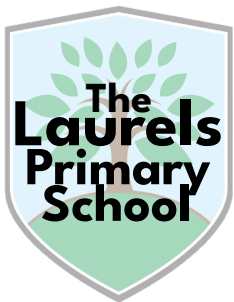
Children will consolidate their use of sentence punctuation, inverted commas and fronted adverbials. Children will go onto develop their understanding of modal verbs, relative pronouns to form relative clauses, parentheses and develop cohesion in their writing.

### Handwriting:

In Autumn 1, children will focus on joins from the ladder family l, i, j, y, u and t. In Autumn 2, they will focus on joins from the one-armed robot family n, m and h.

### Spellings:

We will be covering the following letter patterns, prefixes and suffixes: words ending in '-tious' and '-ious', words ending in '-cious', words ending '-cial', words ending '-tial', words ending '-cial' and '-tial' and challenge words.



# Year 5

## Curriculum Map

### Spring Term

### 2024

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## Maths

### Unit 1: Multiplication and division (B)

Children will learn to multiply and divide 2, 3 and 4 digit numbers, using the area model and expanded column strategies.

### Unit 2: Fractions (B)

Children will learn to multiply fractions and begin to understand how to find fractions of a whole amount.

### Unit 3: Decimals and percentages

Children will build on their understanding of place value to find equivalent fractions and decimals and gain an understanding of percentages as fractions and visa versa.

### Unit 4: Perimeter and area/statistics

Children will begin to understand how to find the perimeter and area of a variety of shapes. Also, they will learn how to interpret and draw lines, graphs and tables.

**Times tables:** Revision of all times tables and division facts up to 12x12.

## Art & Design

### Design Technology

**Spring 1:** DT. The children will learn how to make a pop up book through gaining a clear understanding of mechanical systems.

**Spring 2:** Art. The children will be learning about painting and mixed media portraits. Children will be investigating self-portraits by a range of artists. They will use photographs of themselves as a starting point for developing their own unique self-portraits in mixed media.

## Science

**Spring 1:** Children will be learning about animals including humans where they learn about the life cycle and life processes.

**Spring 2:** Children's learning from spring 1 will then be built upon as they learn about living things and their habitats.

## History and Geography

**Spring 1:** History. Children will be investigating the city states of Athens and Sparta, identifying the similarities and differences between them. Using different sources of evidence, they will learn about democracy and compare this to the ways in which other civilisations are governed.

**Spring 2:** Geography. Children will be exploring the significance of our oceans, learning how humans use and impact them and how this has changed over time. Pupils study the Great Barrier Reef and how plastic and pollution is damaging this marine environment, before considering positive environmental changes that can be made including making eco-friendly choices. They use fieldwork skills to investigate the amount and type of litter in their nearest marine environment.

## Religious Education

**Spring 1:** Children will learn about the Christian faith and what is the best way for a Christian to show commitment. They will learn about beliefs, festivals and worship.

**Spring 2:** Children will make links between religions. Children will learn how sacrifice is significant in Christianity and other religions and explore the theme of sacrifice.

## French

**Spring:** Children will learn to recognise number words in written form. correctly pronounce two-digit numbers that have been generated randomly and recall vocabulary by matching the correct pictures to the appropriate words. They will join in with a story, using gestures and key vocabulary. Activities will include correctly sorting word-cards by gender and highlighting a range of known and easily recognisable vocabulary in a text.

## PE

**Spring 1:** Children will learn the tactics and fundamentals of flag football during outdoor PE and will focus on core strength, balancing and modes of travel in gymnastics for indoor PE.

**Spring 2:** Children will learn how to strike and receive a ball in hockey, using the correct techniques and learn how to integrate this into gameplay. During indoor PE, children will play tennis, focusing on the action of striking a ball over the net, learning the different techniques and strokes e.g. forehand and backhand.

## English

### Writing

During Spring 1, the children will be studying the novel '**Malamander**' and producing writing such as: character descriptions, narratives and newspaper articles based on this. In Spring 2, the children will be studying the book '**Goodnight Mister Tom**' and will be writing poetry, speeches and narratives based on this.

### Reading

Through daily guided reading sessions, children will continue to develop both their fluency and comprehension skills by engaging in discussion around high quality texts and exploring different genres. The children will continue to focus on their VIPERS skills, unpicked using high quality texts.

### Grammar:

Children will learn about modal verbs, relative clauses, parenthesis, commas for clarity and fronted adverbials, whilst recapping prior learning.

### Handwriting:

The children will learn to join the following letters using the cursive style: k, b, p, r, c, a, d, e, s and g.

### Spellings:

Children will learn a range of spelling patterns including words that have ie after c, when 'ei' makes an /ee/ sound, words containing 'ough' and there will be a focus on spellings that are homophones.

## Music

**Spring 1:** Based on the theme of Ancient Egypt, children will learn to identify the pitch and rhythm of written notes and experiment with notating their compositions, developing their understanding of staff notation.

**Spring 2:** We will be exploring the links between music, sounds and colour; children will begin composing and performing their own musical composition to represent Holi, the Hindu festival of colour that celebrates the beginning of spring and the triumph over good and evil.

## Learning for Life

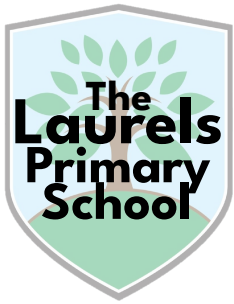
**Spring 1:** Children explore the emotional and physical changes of puberty, including menstruation; learning about online safety, influence, strategies to overcome potential dangers and how to administer first aid to someone who is bleeding.

**Spring 2:** Children will be given an introduction to the justice system; how parliament works; and the role of pressure groups; learning about rights and responsibilities, the impact of energy on the planet and contributing to the community.

## Computing

**Spring 1:** Children will have an E-Safety lesson about how to manage online information and then will begin their learning on creating media. Children identify what makes a good web page and use this information to design and evaluate their own website using Google Sites.

**Spring 2:** Children will begin with another E-Safety lesson on privacy and security before moving onto their unit of work 'Computing systems and networks'. In this unit, the class will learn about the World Wide Web as a communication tool.



# Year 5

## Curriculum Map Summer Term 2023

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## Maths

### Unit 1: Shape

Children will learn about classifying measuring and drawing angles with protractors.

### Unit 2: Position and direction

The children will learn how to read, plot and translate coordinates (as well as symmetry).

### Unit 3: Decimals

The children will learn how to add and subtract decimal numbers.

### Unit 4: Negative numbers

The children will be introduced to negative numbers and counting through zero.

### Unit 5: Converting units

The children will convert between many different units (kg, km, mm, ml and time)

### Unit 6: Volume

The children will learn about comparing and estimating volume and capacity.

## Art & Design

### Design Technology

**Summer 1: DT** - Children will learn the 'farm to fork' process of food, as well as the nutritional value of ingredients before cooking a bolognese sauce in groups.

**Summer 2: Art** - Using space as a topic, the children will learn about retrofuturism. They will be understand the purpose and effect of imagery and will create a final piece through printmaking.

## Science

**Summer 1:** The children this half term will be learning about Earth and space. They will learn about each planet, understanding the moon, time zones and the day/night cycle.

**Summer 2:** In the last half term, the children will learn about changes of materials, how to recover a substance from a solution, reversible and irreversible changes, how some changes result in new materials and dissolving.

## Music

**Summer 1:** The children will build on their knowledge of percussion by learning 'Shosholoz'a', a traditional South African song, and they will also learn how to use the drums and dance moves to their songs.

**Summer 2:** The children are introduced to the famous 'Blues' genre and its history, learning how to identify key features, its importance and purpose. They will also understand the 12-bar blues and blues scales.

## History

### Geography

**Summer 1:** In history, the children will be learning about the Tudor dynasty, including what Henry VIII was like, why he had so many wives and what a Royal Progress was.

**Summer 2:** In geography, the children will learn about desert biomes, characteristics, locate the largest deserts in each continent and how we use the desert, before considering some threats to them.

## Religious Education

**Summer 1:** The children will be developing their knowledge about Judaism by looking at what is Shabbat, Rosh Hashanah, Hanukkah and bat mitzvahs/ bar mitzvahs.

**Summer 2:** In the final half term, the children will learn why some places and spaces are sacred in different religions, as well as pilgrimages and the human impact.

## Learning for Life

**Summer 1:** The children will continue learning about the justice system, how parliament works, the role of pressure groups and the impact of energy on the planet before moving onto economic wellbeing.

**Summer 2:** In this half term, the children will learn about income, expenditure, borrowing money, risks with money and stereotypes in the workplace (and how this affects pay).

## French

**Summer 1:** The children will be recapping on their French colours before moving onto describing eye and hair colour and features on the face, as well as 'un' and 'on' phonics sounds.

**Summer 2:** In this final half term, the children will learn how to describe themselves in more detail, including parts of the body. They will then also apply this to describe other people (and aliens).

## PE

**Summer 1:** The children will be learning athletics sports such as long jump, speed bounce, relays and throwing (javelins and shot put) as well as learning how to dance with a prop/stimuli (a chair).

**Summer 2:** The children will continue learning about athletics with similar activities from last half term (to prepare them for sports day) and they will also learn the basics of cricket this half term.

## Computing

**Summer 1:** The children will be developing their knowledge of selection by using the 'if... then' statements to design a quiz and understand algorithms further using Scratch

**Summer 2:** In this final half term, the children will be creating media by video editing. They will learn how to create short video in groups, how to capture, edit and manipulate videos.

## English

### Writing

During the whole of Summer term, the children will be reading **Kensuke's Kingdom** and will produce a range of different writing responses such as diaries, descriptions, letters, poetry, non-chronological reports and newspaper articles.

### Reading

Through daily guided reading sessions, children will continue to develop both their fluency and comprehension skills by engaging in discussion around high quality texts and exploring different genres. The children will continue to focus on their VIPERS skills, unpicked using high quality texts.

### Grammar:

Children will learn about modal verbs, relative clauses, prepositions, parenthesis, commas for clarity and fronted adverbials, whilst recapping prior learning.

### Handwriting:

The children will learn to join the following letters using the cursive style: f, q, o, z, v, w, x and revisiting previously taught joins.

### Spellings:

Words ending in ous, words where suffix is added to words ending in y, words ending in ious and eous, challenge words, words spelled c before i and e, word families of 'sol' and 'real', homophones, hyphenated words and a recap of Year 5 words taught this year.