



Year 5 Topic Overview

English

> RWI Spelling

> Henry's Freedom Box By Ellen Levine and Kadie Nelson

Writing Outcomes: Diary entry, biography, recount and speech

> The Promise by Nicola Davies

Writing Outcomes: Character, narrative, poetry, third person short narrative and newspaper report

Within each of the units, we will learn about a range of sentence styles including those with varied punctuation.

Maths

> Multiplication and Division

Multiply up to a 4 digit number by a 1 digit number

Multiply a 2, 3, and 4 digit number by a 2 digit number

Solve problems

Short division

Divide a 4 digit number by a 1 digit number

Divide with remainders

Efficient division

Solve problems with multiplication and division

> Fractions

Multiply a unit fraction by an integer

Multiply a non-unit fraction by an integer

Multiply a mixed number by an integer

Calculate a fraction of a quantity

Fraction of an amount

Find the whole

Maths Continued

> Decimals and Percentages

Place Decimals up to 2 decimal places

Equivalent fractions and decimals (tenths, hundredths)

Thousandths as fractions and decimals

Thousandths on a place value chart

Order and compare decimals up to 3 decimal places

Round to the nearest whole number

Round to 1 decimal place

Understand percentages

Percentages as fractions

Percentages as decimals

Equivalent fractions, percentages and decimals

> Perimeter and Area

Percentages of rectangles and rectilinear shapes

Perimeter of polygons

Area of rectangles

Area of compound shapes

Estimate area

Maths Continued

> Statistics

Draw line graphs

Read and interpret line graphs

Read and interpret tables

Two-way tables

Read and interpret tables

Science

> Animals including Humans

Identify the stages of a mammal's life cycle

Explore the gestation period of mammals

Learn about foetal development

Investigate the handspan of differently aged children

Learn about the changes experienced in puberty

Describe the changes humans may experience in old age

> Living things and their habitats

Understand the life processes of a plant

Understand the life cycles of mammals

Compare the life cycle of insects and amphibians

Know about the life and work of Jane Goodall and David Attenborough

Research and present the life cycle of a creature

RE

> Should a person's religion believe always come first in their life?

- Analyse how diverse expressions of Christian worship can reinforce faith & belief.
- Describe three ways in which Muslim worship shows devotion to Allah making reference to life at home and in the mosque.
- Analyse and evaluate Hindu beliefs about reincarnation, vegetarianism & caring for the environment.
- Explain the Hindu idea of 'Karma and how actions have consequences. Compare and contrast with similar values found in other religious/non-religious viewpoints studied.

> Did Jesus make a choice to die or was his fate pre-determined?

- Explain the roles of 'Father, Son and Holy Spirit' (Trinity) in the Christian view of God
- Describe why Christians say Jesus is the 'Son of God'; the 'Christ' and both 'God and man'.
- Explain how the celebration of Easter links to the idea of Jesus reconciling people to God so that Christians can live forgiven in relationship with God, (sacrifice and reconciliation).
- Suggest answers to questions that the resurrection of Jesus might raise.
- Suggest lines of enquiry and plan investigations into religious/non-religious viewpoints

Computing

> Coding

Designing and making a more Complex Program Using Functions

Flowcharts and Control Simulations

Using Text-based Adventures

User Input

> Text Adventures

What Is a Text Adventure? Planning a Story Adventure

Making a Story-based Adventure Game

Coding Comprehension of Text Adventure Game

Debugging and Improving a Text Adventure.

> Blogging

What is a blog?

How to plan a blog

How to write a blog

How to share posts and comment on a blog post

History

> What did the Greeks do for us?

To understand where and when the ancient Greeks lived.

To understand the importance of the Greek gods.

To identify similarities and differences between Athens and Sparta.

To understand how Athenian democracy worked.

To understand the importance of the ancient Greek philosophers.

To identify and explain the achievements of the ancient Greeks

To understand how society is organised in different cultures, times and groups.

To be able to identify the achievements of civilisations and explain why these achievements were so important.

To understand the term "century" and how dating by centuries works. (e.g. the 1500s are known as the 16th century)

To understand how to work out durations of periods and events.

Geography

> Would you like to live in the desert?

Identify the lines of latitude where hot desert biomes are located.

Describe the characteristics of a hot desert biome.

Locate the largest deserts in each continent.

Describe ways the Mojave Desert is used.

Name and describe the physical features found in a desert.

Identify how humans use the desert.

Explain how human activity may contribute to the changing climate and landscape of a desert.

Recognise that the Mojave Desert has a different time zone to the UK.

Describe some of the threats to deserts.

Give the benefits and drawbacks of living in a desert environment.

Identify characteristics of two contrasting biomes and compare land use.

Discussing if a desert environment is hospitable and why.

PSHRE

> Be yourself

To explain why everyone is unique and understand why this should be celebrated and respected.

To explain why I should share my own thoughts and feelings and I know how to do this.

To explore uncomfortable feelings and understand how to manage them.

To understand why we sometimes feel shy or nervous and know how to manage these feelings.

To identify when I might have to make different choices from those around me

To explore how it feels to make a mistake and describe how I can make amends.

> Diverse Britain

To talk about the range of faiths and ethnicities in our nation and identify ways of showing respect to all people

To explain what a community is and what it means to belong to one.

To explain why and how laws are made and identify what might happen if laws are broken.

To discuss the terms democracy and human rights in relation to local government.

To discuss the terms democracy and human rights in relation to national government.

To investigate what charities and voluntary groups do and how they support the community.

Music

> West African Djembe

Learn and recall songs through aural memory

Have built confidence in tuning and performance

Understand the rhythmic timing & lyrics of the songs

Sing two traditional Guinean songs as part of the drum & dance performance

Sing traditional West African songs

Sing for peers/parents, recalling aural memory

Confidently be able to identify how the djembé is made, how the sound is created and how to play the instrument to make the best possible sound

Express how the singing, drumming and dance work together in West African performance, using the trinity symbol (Δ) to illustrate how all three are linked together

See West African instruments being played and recognise the sound of West African music

Music continued

Express how they worked together to create

Design a part A and part B to structure

Translate how an image or words into music making

Strengthen an understanding of how to recall rhythms from memory

Copy long phrases by ear

Know the rules of drawing and creating musical notation

Know the rules of drawing and creating musical notation

Know the rules of drawing and creating musical notation

Successfully recognise and play rhythmic phrases by sight

Design Technology

> Gears and pulleys

To create a working gear system and explain its function.

To improve a working gear system and suggest some applications.

To create a working pulley system and explain its function.

To conduct market research to discover useful tasks an eco-gadget bike could perform.

To design and evaluate an eco-gadget bike using design criteria.

Art

> Drawing: I need space

To explore the purpose and effect of imagery.

To understand and explore decision making in creative processes

To develop drawn ideas through printmaking.

To test and develop ideas using sketchbooks.

To apply an understanding of drawing processes to revisit and improve ideas.

PE

> Gymnastics

Use variations in level, direction and pathway, how to combine and link actions, how to relate to a partner and apparatus, when developing sequences.

Work collaboratively in larger groups, using formations to improve the aesthetics of their performances.

Receive and provide feedback in order to make improvements on performances.

Develop performance skills considering the quality and control of their actions.

> Tennis (Net & Wall)

Create space for self and others/attacking and decision making

Movement around the court

Serving and receiving skills

Create space by moving the opponent

MFL (French)

> At the market

Name some fruits and vegetables.

Take part in a class survey about favourite fruits and vegetables.

Count in 10s up to 100 in French.

Ask for and give the price of the fruits and vegetables.

Take part in a simple shopping dialogue at the market.

Understand and use simple recipe instructions.

> Clothes

Name items of clothing in French.

Can use adjectives of colour to describe clothes.

Identify parts of the verb 'to wear' in French.

Describe an outfit including colours.

Learn vocabulary related to carnival outfits.

Can understand a description of a carnival outfit.