

Year 6 Spring Overview

English

> RWI Spelling

> *On the Origin of the Species* by Sabina Radeva

> *Darwin: An Exceptional Voyage* by Fabien Grolleau & Jeremie Royer

Writing Outcomes: Discovery Narrative and Explanation

> *The Ways of the Wolf* by: Smriti Prasad-Halls

> *The Wolves in the Walls* by Neil Gaiman

Writing Outcomes: Balanced Argument, Information text & Suspense Narrative

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

Maths

> Ratio

Add or multiply

Use ratio language

Introduction to the ratio symbol

Ratio & fractions

Scale drawing

Use scale factors

Similar shapes

Ratio problems

Proportion problems

Recipes

> Algebra

Function machines

Form expressions

Substitution

Formulae

Form equations

Solving 1-step and 2-step equations

Finding pairs of values

Solve problems with two unknowns

Maths Continued

> Decimals

Place value within 1

Place values integers and decimals

Round decimals

Add and subtract decimals

Multiply by 10, 100 and 1000

Divide by 10, 100 and 1000

Multiply decimals by integers

Divide decimals by integers

Multiply and divide decimals in context

> Fractions, decimals and percentages

Decimal and fraction equivalents

Fractions as division

Understanding percentages

Fractions to percentages

Equivalent fractions, decimals and percentages

Order fractions, decimals and percentages

Percentage of amounts

Percentages—missing values

Maths Continued

> Area, Perimeter and volume

Shapes—same area

Area of a triangle—counting squares

Area of a right-angled triangle

Area of any triangle

Area of a parallelogram

Volume—counting cubes

Volume of a cuboid

> Statistics

Line graphs

Dual bar charts

Read and interpret pie charts

Pie charts with percentages

Draw pie charts

The mean

Science

> Animals including Humans

Understand the function of the heart

Identify and compare blood vessels

Explore blood

Learn how the body transports water and nutrients

Investigates what affects your heart rate

Learn about the impact of drugs and alcohol on the body

> Evolution and Inheritance

Understand how offspring vary and are not identical to their parents.

Learn about animal adaptations

Learn about plant adaptations

Explore what we can learn from fossils

Explore the theory of evolution by natural selection

RE

> Peace and Community

What can we learn from people, including religious figures, who resist discrimination and persecution?

Additional enquiry questions

How can we make the world a place of tolerance and respect?

>. Salvation and Resurrection

Enquiry question

What did Jesus do to save Human Beings?

Additional enquiry questions

How have expressions of worship changed over time? Does worship make people happy?

Computing

> Spreadsheets

Conversion of measurements

The count tool

Formulae including the advanced

Using Text variables to perform variables

Calculations

Event planning with a spreadsheet

Programs—2Calculate

> Databases

Searching a database

Creating a class database

Creating a topic database

Programs- Question, 2Investigate

> Game Creator

Setting the scene

Creating the game environment

The game quest

Finishing and sharing

Evaluation

History

> What was life like in Tudor England?

To use different types of evidence to interpret the character of Henry VIII.

To make deductions about Anne Boleyn from a range of primary and secondary sources.
To understand why Henry VIII had many wives.

To extract evidence from primary sources about the Royal Progresses of Elizabeth I.

To reconstruct a Royal Progress using a range of primary sources.

To make deductions about the people in Tudor England using inventories.

To create a realistic inventory for a person living in Tudor times .

Geography

> Why do Oceans Matter?

To explain the importance of our oceans.

To locate and describe the significance of the Great Barrier Reef.

To explain the impact humans have on coral reefs and oceans.

To understand ways to keep our oceans healthy and begin planning a fieldwork enquiry.

To collect data on the types of litter polluting a marine environment.

To present, analyse and evaluate data collected.

* Visit and workshop at Blue Planet Aquarium March 2024

PSHRE

> One World

What does it mean to be a global citizen?

What is global warming?

How does energy contribute to global warming?

Why is it important not to waste water?

What is biodiversity and why is it important?

How can choices that we make an impact on people across the world?

> Safety First (Health and Wellbeing)

You are responsible

What are the risks?

Making your mind up

In an emergency

Home—Safe and sound

Music

> The Horse in Motion

Film composing is an art form all of its own – different, and distinct from other forms of composition. Composers use moving images (and often story) to inspire, shape, and structure their ideas. In this unit, we will explore one of the first films ever made (from 1878!) and use it as inspiration for composing repeating patterns (ostinatos), and structuring ideas.

> Favourite Song

Favourite song is in a fast, folk-rock style with a driving rhythm, reminiscent of the style of Mumford and Sons. With a simple verse/chorus structure and easy to follow chord pattern, the song builds on from the unit The doot doot song, introducing G major to previously learnt chords C, F, and A minor.

During the unit, pupils will learn to sing and play the song, develop technical skills on tuned percussion, and experience playing in a class band. Playing and singing activity is supported by listening to range of music in a folk and folk-rock style, comparing and contrasting different artists' styles.

Design Technology

> Tudor Houses

Creating a structure for a Tudor person to live in, including:

Design a brief

Evaluate current structure

Understand the purpose of supporting structures with layers

Designing a Tudor Structure

Creating a Tudor Structure

Evaluating their final product

Art

> Activism Art linked to the Sea

Add collage to a painted, printed or drawn background.

Use a range of media to create collages.

Create printing blocks by simplifying an initial journal idea. Use relief or impressed method.

Work into prints with a range of media e.g. pens, colour.

Use different techniques for different purposes i.e. shading hatching within their own work. Start to develop their own style using tonal contrast and mixed media, pens and paints.

PE

> Gymnastics

How to 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. I

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

> Badminton

Develop their understanding of the principles of net and wall games.

Think about how to use skills, strategies and tactics to outwit the opposition (placing an object away from an opponent to make it difficult for them to return)

Work in collaboration with others, play fairly demonstrating an understanding of the rules, as well as being respectful of the people they play with and against.

This unit links to the following strands of the NC: use running, jumping, throwing and catching in isolation and in combination.

MFL (French)

> Investigating Sports

> At the Fun Fair

> My Favourite Things

> French Tradition