

**ICT**

**Programming**

Identify that accuracy in programming is important.

Create a program in a text-based language.

Modify, use and create a program that uses a count-controlled loop to produce a given outcome.

**Data Logging**

Use a digital device to collect data automatically.

Explore that a data logger collects 'data points' from sensors over time.

Recognise how a computer can help us analyse data.

Use data from sensors to answer questions.

**Maths**

**Fractions and Decimals**

Recognise that hundredths arise when dividing by 100 and dividing tenths by 10.

Solve problems involving finding fractions of quantities.

Compare numbers with the same number of decimal places up to 2 decimal places.

Recognise and write decimal equivalents of any number of tenths.

Solve simple measure and money problems involving fractions and decimals to 2 decimal places.

**Measurement**

Find the area and perimeter of rectilinear shapes.

Convert units of time including 12 and 24 hour clocks.

Calculate different measures of length using decimals to one place.

Convert between different units of measure

Estimate, compare and calculate different measures, including money in pounds and pence.

**Art**

**Drawing**

Experiment with line, tone and texture with different hardness of pencils and use shading to show light and shadow effects.

Use key vocabulary to demonstrate knowledge and understanding of drawing.

Explore the life and work of Cezanne.

**Printing /Textiles**

Use a variety of techniques, e.g. printing, dyeing, weaving and stitching to create different textural effects.

Explore the life and work of Julian Opie.

**DT**

Using a wide range of innovative ideas to solve a number of challenges and problems.

**English**

**Writing**

Series of diary entries

Narrative: Survival story

Writing to inform / discuss e.g. creating a mini book about how climate change is affecting Antarctica.

**Grammar / Punctuation**

Differences between plural and possessives.

Apostrophe for plural possession e.g. the girls' names.

Using standard English and terminology.

Use of paragraphs, headings and subheadings to aid presentation.

**Reading Texts**

Ice Trap

Non-fiction exploring Antarctica

World Book Day

**Spelling**

Nelson Spelling Units 12-21

**PSHEE**

**Healthy Me**

My Friends, Me and Group Dynamics

Smoking and Alcohol

Healthy Friendships

Celebrating My Inner Strength and Assertiveness

**Relationships**

Jealousy

Love, Loss and Memories

Getting on and Falling out

Girlfriends and Boyfriends

Celebrating My Relationships

**Language**

**French**

**En Classe**

Learn and recall 12 classroom objects with their indefinite article / determiner.

Learn to replace an indefinite article / determiner with a possessive adjective.

Say and write what they have and do not have in their pencil case.

**Spanish**

Learn about Spanish culture seen around Spain and other Spanish speaking countries.

**Science**

**Sound**

Identify how sounds are made, associating some of them with something vibrating.

Recognise that vibrations from sounds travel through a medium to the ear.

Find patterns between the pitch of a sound and features of the object that produced it.

Find patterns between the volume of a sound and the strength of the vibrations that produced it.

Recognise that sounds get fainter as the distance from the sound source increases.

**States of Matter**

Compare and group materials together, according to whether they are solids, liquids or gases.

Observe that some materials change state when they are heated or cooled.

Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.



**Year 4**

**Spring Term**

**RPE**

**Christianity—Easter**

Learn about the events of Palm Sunday.

Understand the significance of the Last Supper to Christians.

Learn about the events leading up to the crucifixion of Jesus and explore Christians beliefs in life after death.

**Festivals**

Understand the story of Saint Patrick and explore how he is celebrated.

Understand the significance of Mothering Sunday and explore how it is celebrated by Christians and non-Christians.

Explore the similarities and differences between Vikram Samvat (Hindi New Year) and other new year celebrations.

**Geography**

**Antarctica**

Locate Antarctica on a world map.

Identify animals and plants that live there and explore their adaptations.

Understand how physical features are formed e.g. glaciers and ice caps.

Recognise the importance of protecting the area.

Learn about explorers and their discoveries in Antarctica.

**Ice Age & Climate Change**

Understand the events within the Ice Age

Understand how and why climate change occurs.

Create and implement methods to slow down climate change.

Explore the impacts of climate change on wildlife and the environment.

**History**

**Explorers**

What happened to the Mary Rose?

How was Elizabeth I able to defeat the mighty Spanish Armada?

Should we be proud or ashamed of Christopher Columbus?

Why were the moon landings so significant?

Who were Tenzing Norgay and Sir Edmund Hillary?

What happened to George Mallory and Andrew Irvine - a source exploration.

A personal study on an explorer of interest and how they impacted the world.

**PE / Games**

**PE**

Gymnastics- weight transfer movements and skills

Cricket- batting, bowling and fielding skills

**Games**

Fixtures and Matches

Boys: Rugby and cricket

Girls: Netball, football & cricket