#### ICT

#### **Programming**

Identify that accuracy in programming is important.

Crate a program in a text-based language.

Explain what 'repeat' means.

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

## **Photo Editing**

Explain that the composition of digital images and colours can be changed.

Explain how cloning can be used and how images can be combined.

Combine images for a purpose.

Evaluate how changes can improve an image.

#### 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.

#### Latin

Identify English words with common Latin roots and explain their meaning.

Identify Latin words as a noun/adjective/verb.

Navigate simple Latin sentences with 'verb esse' and sentences with subject/object/verb pattern.

Vocabulary stages 1-2 of CLC

#### Culture: The familia

To understand the nature and members of the Roman household, Roman homes (Pompeii).

#### Music

Continue group clarineo lessons.

Prepare songs and rehearse for the Year 4 production

#### 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 an 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.

# 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.

#### 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.

#### D٦

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



# 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.

## **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'

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



### 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.

## **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

# 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

#### Games

Fixtures and Matches

Boys: Rugby and cricket

Girls: Netball, football & cricket