



## YEAR 4 SPRING TERM 1

### MEDIUM TERM PLAN

#### MATHEMATICS

##### Measurement and Shape

###### **The children will:**

Convert between different units of measure [for example, kilometre to metre; hour to minute].

Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.

Find the area of rectilinear shapes by counting squares.

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

Read, write and convert time between analogue and digital 12- and 24-hour clocks.

Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

#### MATHEMATICS

##### Decimals

###### **The children will:**

Recognise and write decimal equivalents of any number of tenths or hundredths.

Recognise and write decimal equivalents to one quarter, one half and three quarters.

Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

Round decimals with one decimal place to the nearest whole number.

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

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

#### ENGLISH

##### Poetry - Creating Images

###### **The children will:**

Listen to, discuss and perform a wide range of imagery poems.

Recognise some different forms of poetry.

Discuss words and phrases that capture the reader's interest and imagination.

Analyse key features of imagery poems.

Plan, draft, edit and review a poem, using similes and other devices to create imagery.

#### SPELLING

Introduction of Year 4 spelling rules and strategies.

#### ENGLISH

##### Stories from other cultures

###### **The children will:**

Listen to and discuss stories from other cultures.

Discuss and compare settings and characters.

Look at the organisation of the story and identify the features of stories from other cultures.

Be provided with short incidental writing opportunities, e.g. writing a character description or extending an existing story.

Plan, draft, edit and review to produce a story based on another culture.

#### GRAMMAR AND PUNCTUATION

##### Ongoing

###### **The children will learn how to:**

Use an appropriate choice of pronoun within or across sentences to aid cohesion and avoid repetition

Extend the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although.

Use the present form of verbs in contrast to the past tense.

Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition.

Use frontal adverbials with commas.

Use conjunctions, adverbs and prepositions to express time and cause.

Use and punctuate direct speech.

Indicate possession by using the possessive apostrophe with plural nouns.

## RE COME AND SEE

**Community** - Belonging to a community and the life of the local Christian community.

**Giving and Receiving** - Giving and receiving every day. The Eucharist challenges and enables living and growing in communion.

## PE Swimming

### **The children will:**

Swim competently, confidently and proficiently over a distance of at least 25 metres.

Use a range of strokes effectively [for example, front crawl, backstroke and breaststroke].

Perform safe self-rescue in different water-based situations.

## DESIGN AND TECHNOLOGY Electrical systems - simple circuits

### **The children will:**

Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose.

Select from and use a wider range of tools and equipment to perform practical tasks.

Investigate and analyse a range of existing products.

Evaluate their ideas and products against their own design criteria.

## FOUNDATION SUBJECTS

### SCIENCE Electricity

#### **The children will:**

Identify common appliances that run on electricity.

Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.

Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.

Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.

Recognise some common conductors and insulators, and associate metals with being good conductors.

### MUSIC Glockenspiel - Stage 2

#### **The children will:**

Learn about the interrelated dimensions of music (pulse, rhythm, pitch etc.),

Sing and play instruments.

Learn how to read music notation and apply this when playing the glockenspiel.

## History and Art

Will be carried out in Spring 2.

### COMPUTING Programming

#### **The children will:**

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.

### GEOGRAPHY Volcanoes

#### **The children will:**

Locate where volcanoes are found on a map. Learn how volcanoes are formed and describe the different parts of a volcano.

Identify the difference between composite, shield and dome volcanoes.

Understand the reasons for volcanic activity, looking at the movement of the world's tectonic plates.

Understand and describe the various stages during a volcanic eruption. Children will make a model to help with this understanding.

Explain how volcanic areas affect people's lives (Hawaii and the Galapagos Islands) and compare this to their own lives.