

# St Margaret's at Cliffe Curriculum Overview Year 5 Term 4 2021 - 2022

## English

### Reading

To maintain positive attitudes to reading and understanding of what they read by:

- i. continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks.
- ii. reading books that are structured in different ways and reading for a range of purposes.
- iii. increasing their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions.

To retrieve, record & present information from non-fiction.

Participate positively in discussions about books.

Ask questions to improve understanding of what has been read.

To provide reasoned justifications for their views.

### Writing Transcription

Use prefixes & suffixes & understand use.

Use knowledge, morphology and etymology in spelling.

Use dictionaries to check meaning and spelling.

Write legibly and fluently.

### Writing Composition

Plan writing by identifying audience and purpose.

Plan writing by noting and developing initial ideas, organisational and presentational devices to structure text and guide the reader.

Plan writing for narratives by considering how authors have developed characters and settings.

Use appropriate vocabulary & grammar to enhance meaning.

## Mathematics

### Number / Place Value / Calculation

Interpret negative numbers in context, count forwards and backwards.

Identify multiples and factors.

Use the vocabulary of prime numbers and prime factors.

Multiply numbers up to 4 digits by a one- or two-digit number.

Multiply and divide numbers mentally.

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

Solve problems involving addition, subtraction, multiplication and division including scaling by simple fractions.

### Fractions (including decimals and percentages)

Compare and order fractions whose denominators are all multiples of the same number.

Identify, name and write equivalent fractions of a given fraction.

Recognise mixed numbers and improper fractions and convert from one form to the other.

Add and subtract fractions with the same denominator and multiples of the same number.

Multiply proper fractions and mixed numbers by whole numbers.

Read and write decimal numbers as fractions.

Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

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

Solve problems involving number up to three decimal places.

### Measurements

Convert between different units of metric measure.

Understand and use equivalences between metric units and common imperial units such as inches, pounds and pints.

Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.

Calculate and compare the area of squares and estimate the area of irregular shapes.

Estimate volume (cubes and cuboids) and capacity.

Solve problems involving converting between units of time.

Use all four operations to solve problems involving measure.

### Position and direction

Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

### Statistics

Solve comparison, sum and difference problems using information presented in a line graph.

Complete, read and interpret information in tables, including timetables.

## History

### Ancient Greeks

- Be able to research the political, social and cultural aspects of Ancient Greek Life
- Be able to recognise the achievements and legacy of the Ancient Greeks
- Be able to recognise how the Ancient Greeks influenced the world in which we live today.
- Be able to develop an understanding of Ancient Greek Democracy.
- Be able to develop an understanding of Ancient Greek Olympics.
- Be able to recognise the key features of the Battle of Marathon.
- Be able to explain how the Trojan war affected Greek Life.
- Be able to recognise the influences of Greek gods and goddesses on everyday life.

## Geography

### North America

- Be able to locate the main cities and roads of North America on map.
- Be able to identify climatic zones of North America.
- Be able to identify mountain ranges of North America.
- Be able to identify the main transport systems across North America.
- Be able to locate the mountains of Logan, Mckinley, St Helens, Citlaltépetl, Saint Elias and Mount Popocatepetl.
- Be able to recognise how mountain environments affects physical geography.
- Be able to explain how homes and industry are adapted to the mountain climate.
- Be able to compare and contrast photographs of mountain landscapes.
- Be able to recognise how avalanches and glaciers change the landscape.

## Computing

### Data and Spreadsheets

- Be able to recognise a spreadsheet.
- Be able to enter simple data into a spreadsheet.
- Be able to use simple formulae to perform calculations.
- Be able to develop typing speed and accuracy to develop competency.
- Be able to recognise how to use the internet and technology safely and responsibly.
- Be able to use the internet search engines for research.
- Be able to develop respectful and responsible use of the internet.

## RE

### If God is everywhere, why go to a place of worship?

- Be able to recognise Hindu places of worship.
- Be able to explain how a Jewish place of worship is used.
- Be able to explain how Christian people worship.
- Be able to describe and explain differences within Anglican and Baptist churches.
- Be able to make links between Christian beliefs and features of these places of worship.
- Be able to describe differences between worship in the home and at the Mandir.
- Be able to describe the differences between different Jewish synagogues.
- Be able to make links between Christian beliefs and features of these places of worship.

## PSHE

### Healthy Me

- Be able to recognise the health risks of smoking and its effects on the lungs, liver and heart.
- Be able to recognise the risks with misusing alcohol.
- Be able to use basic emergency aid procedures and know how to get help in emergency situations.
- Be able to recognise how the media and celebrity culture promotes certain body types.
- Be able to describe the different roles food can play in people's lives.
- Be able to have an understanding of eating disorders relating to body image pressures.
- Be able to recognise a healthy lifestyle, including healthy eating.

## Physical Education

### Tag Rugby

- Be able to pass ball and move into space.
- Be able to identify and use tactics to help their team keep the ball and take it forwards.
- Be able to mark opponents and defend.
- Be able to play effectively as part of a team
- Be able to compare their performances with previous ones and demonstrate improvement to achieve their personal best.

### Dance

- Perform actions, body shapes and balances.
- Create sequences of movements and balance.
- Perform movements in canon and unison.
- Make use of changes in speed, level and direction.
- Apply own ideas to compositional sequences.

## Modern Foreign Languages

### Family and Friends

To understand basic grammar appropriate to introducing family members.

To speak in sentences, using familiar vocabulary, phrases in the context of farm animals.

To broaden vocabulary and develop ability to understand new words.

Be able to use a dictionary in the context of talking about objects in the home.

Be able to use a bilingual dictionary.

To engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help in the context of describing pets and animals.

## Music

### History of Music

Be able to recognise different periods in musical history including: Renaissance, Baroque, Classical, Romantic, Modern and Contemporary.

Be able to appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

Be able to listen with concentration and engage with music.

Be able to identify contrasting moods and sensations.

Be able to explain how sounds can create different intended effects.

## Design and Technology

Be able to investigate similar products to get ideas and to use as a starting point for an original design.

Be able to generate, develop, model and communicate ideas through discussion, annotated sketches, cross-sectional and exploded diagrams.

Be able to plan and design

Be able to strengthen, stiffen and reinforce more complex structures

Be able to understand and use mechanical systems in their products

Be able to understand and use electrical systems in their products

To be able to evaluate design and suggest improvements.

To be able to explain design choices.

To suggest appropriate materials for design based on knowledge of their properties.

## Art

### Paintings and Collage work (Mountain Landscapes)

To be able to colour mix to produce desired shades.

To be able to improve mastery of drawing through observations.

To be able to develop observational skills

To develop awareness of shape, size, form and scale in collage.

To be able to adapt and refine our work

To be able to experiment with colour and tone in paintings and collage

## Science

### Forces

To explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object by identifying forces acting on objects.

To identify the effects of air resistance, water resistance and friction by identifying forces acting on objects.

To explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object by measuring the force of gravity pulling on objects.

To identify the effects of air resistance by investigating the best parachute to slow a person down.

To identify the effects of water resistance.

To identify the effects of friction.

To recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect by exploring and designing a simple mechanism.