

YEAR 5

AUTUMN TERM

MATHS

Children will learn:

- How to read, write, compare and order 6-digit numbers
- To use < and >
- To add and subtract multiples of 10, 100 and 1000 to and from 5-digit numbers
- Written methods for addition and subtraction
- Mental strategies for addition and subtraction
- How to solve word problems
- Rounding to the nearest 10, 100 and 1000
- Place value in decimal numbers
- Numbers to 1 million
- Negative numbers
- Roman numerals
- Interpreting different types of graphs including being introduced to line graphs
- To read and interpret table and timetables
- Multiples and factors including common factors
- Prime numbers, square and cube numbers
- How to multiply and divide by 10, 100 and 1000
- Written methods for multiplying and dividing
- How to calculate the perimeter of rectilinear shapes
- How to calculate the area of rectangles, compound shapes and irregular shapes.



READING AND WRITING

In grammar lessons the children will learn about:

- Relative clauses and pronouns
- Adjectives
- Noun Phrases
- Apostrophes
- Determiners
- Direct speech



In writing the children will be using their knowledge to write:

- A diary entry
- A biography
- A letter
- An adventure story
- A non-chronological report

COMPUTING

Children will learn:

- E-safety
- To use Google Classroom
- To use Python and Scratch, including completing simple calculations, input values, create variables and use loops to draw shapes



ART

The children will focus on drawing and learn:

- To create depth
- The basic proportions of the face
- How to draw facial features
- About mirror imaging



will focus on **painting** and learn:

- To create depth by using cool and warm tones
- To mix colours
- To create texture using a scumbling technique
- To create perspective using desaturation



SPANISH

Children will learn:

- Greetings
- Numbers and ages



MUSIC

Children will learn:

- To compose short melodies
- To experiment with pitch, dynamics and harmony
- About the features of pop music
- A bass line, chords and melody



PE

Children will learn:

Netball

- To play a variety of games
- To work as part of a team and communicate when required
- To use coordination, control and fluency
- To know and follow the rules of different games
- To confidently use a variety of different equipment correctly and safely
- To pass and receive the ball with some control
- To attack and defend, thinking about tactics

Fitness

- To explain some important safety principles when preparing for exercise
- To choose appropriate warm ups and cool downs

Dance

- To create multiple standing and floor shapes
- To balance on 1 foot and again with 2 points of contact using a combination of hands, arms and shoulders for support
- To travel between shapes, including rotating
- To create a routine involving a sequence of shapes and movements, turning and jumping

Gymnastics

- About circuit training
- About the importance of developing upper, lower and core body strength
- Apply and link fundamental movement skills



SCIENCE

Working scientifically

Children will learn:

- To compare and group everyday materials
- To plan investigations
- To communicate findings accurately in graphs and conclusions
- To report on findings from enquiries

Properties and Changes of Materials

Children will learn:

- To compare and group together everyday materials according to their properties
- To describe uses of different materials
- To recognise that some materials will dissolve in liquid
- To describe how to recover substances from a solution

States of Matter

Children will learn:

- To use their knowledge of solids, liquids and gases to decide how mixtures might be separated
- To recognise that some changes of state are reversible and others are not



GEOGRAPHY AND HISTORY

In Geography children will learn:

- Key features of a mountain landscape
- How mountains are formed
- To locate some UK and world mountains
- About the Himalayas
- How tourism affects mountain areas



In History children will learn:

- To identify trade links between Britain and India
- To describe the relationship between Britain and India during the Victorian times
- About India's independence
- About the impact of British rule
- To use secondary sources to research a historical figure



PSHE

Children will be following the Jigsaw programme and learn:

- To face new challenge positively and set personal goals
- About their rights and responsibilities as a British citizen
- About rewards and consequences
- How an individual's behaviour impacts a group
- How democracy works in the school community
- About cultural differences
- Racism
- About bullying

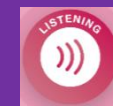


RE

Children will be learning about:

World Views:

- Rules
- Humanists
- Non-religious people



Christianity

- Connections with God
- God in the Bible
- God in art
- Christians and God