

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

Children will use VIPERS and take part in Non-fiction Fridays in Guided Reading sessions.

The class books they will be reading is: Asha and the Spirit Bird

In grammar lessons the children will learn about:

- Relative clauses
- Adjectives
- Conjunctions
- Homophones linked to spelling
- Main and subordinate clauses

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

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



ART and DESIGN and TECHNOLOGY

In art the children will learn:

- To use sketchbooks to make observations and review their art work.
- To use watercolours to create different landscapes and experiment with layers.

In Design and Technology children will learn:

- To use a 3D printer
- To plan, design and evaluate



MUSIC



Children will learn about the musical elements through:

- Exploring Indian musical instruments and their function within ragas
- Composing and performing to a given structure



SPANISH



Children will learn:

- The location of Spain
- Greetings
- Numbers to 20
- Colours



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



PE



Children will learn:

- An introduction to effective leadership by varying tactics according to game conditions
- To refine passing and receiving
- To begin to show good control in different movements
- Which will be explored through hockey.



Fitness with a focus on endurance

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



Real Gym with a focus on the Creative skill

- To develop sequences with interlinking moves which change speed and direction
- To confidently recognise similarities and differences in movements and expressions



Real Dance with a focus on the Social skill

- To create and compose a dance in a creative and imaginative way
- To show control when making clear and fluent dance movements.
- To negotiate and collaborate when creating and performing dance with others.

GEOGRAPHY AND HISTORY

In Geography children will learn:

- To use atlases and maps to locate information
- About India, including location, bodies of water, climate and timezone
- About tectonic plates and movement
- The physical and human geography of India
- About biomes



In History children will learn:

- How to research and write notes
- Facts about Mahatma Gandhi
- About British rule in India
- Indian independence

INDIA



YEAR 5 AUTUMN

SCIENCE



Working scientifically

Children will learn:

- To compare and group everyday materials
- To plan investigations
- To communicate findings accurately in graphs and conclusions

Properties and Changes of Materials

Children will learn:

- About the different properties of materials
- That some materials will dissolve in liquid.
- To separate mixtures in different ways according to their properties
- About irreversible and reversible changes

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:

Sikhism:

- Beliefs about God
- Guru Nanak
- The Gurdwara



Christianity

- The church at Christmas
- Comparing religious and secular Christmas traditions