

## MATHS

Children will learn:

- To multiply 4 digit numbers by a 1 digit number
- To multiply 2 digits by 2 digits
- To multiply 3 digit and 4 digit numbers by 2 digits
- To divide 2, 3 and 4 digit numbers by 1 digit numbers
- To divide with remainders
- Equivalent fractions
- To convert between improper fractions to mixed numbers and the other way around
- To compare and order fractions
- Number sequences
- To add and subtract fractions
- To add and subtract mixed numbers
- To multiply fractions and mixed numbers by integers
- To calculate fractions of an amount
- To use fractions as operators
- To recognise decimals up to 2 d.p.
- Decimals as fractions
- To understand thousandths as decimals
- Round, order and compare decimals
- To recognise percentages as fractions and decimals
- Equivalent fractions, decimals and percentages

# SPACE YEAR 5 SPRING

## READING AND WRITING

Children will continue to use VIPERS in Guided Reading sessions.

The class book they will be reading is: Curiosity The Story of a Mars Rover

In grammar lessons the children will learn about:

- Parenthesis
- Figurative language
- Direct and indirect speech
- Relative clauses



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

- Scripts
- Non-chronological reports
- Poetry
- Narratives
- Diary entries

## GEOGRAPHY AND HISTORY

In Geography children will learn:

- About the structure and layers of the Earth
- About what causes Earthquakes
- The different parts of a volcano



In History children will learn:

- About the Space Race and using timelines to show chronology of key events
- About key figures in history who supported space exploration
- The legacy of space exploration

## MUSIC

Children will learn:

- How different moods can be achieved through music
- To compose, perform and evaluate a group piece
- To create a musical soundscape and evaluate own and other's compositions

## COMPUTING

Children will learn:

- About spreadsheets including: functions, graphs, formulas and calculations
- To use 'SketchUp' for 3D design

## SPANISH

Children will learn:

- Food and drink
- Weather
- Clothes

## SCIENCE

Children will learn:

### Working scientifically

- Recording data
- Presenting findings
- Use scientific evidence to support or refute ideas

### Earth and Space

- About the movement of the Earth and other planets relative to the Sun in the solar system
- About the movement of the Moon in relation to the Earth
- To describe the Sun, Earth and Moon as approximately spherical bodies
- To use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky



## ART and DESIGN and TECHNOLOGY

In art the children will learn:

- To use sketchbooks to make observations and review their art work.
- To use crayons, pastels and pencils with effect focusing on the work of Peter Thorpe
- To create models

In Design and Technology children will learn:

- To use research to create a design for a Mars Rover
- Select materials to use according to their functional properties



## RE

Children will be learning about:

### Sikhism

- The Khalsa
- Vaisakhi/Baisakhi
- The 5Ks
- Bandi Chor and Amritsar

### Christianity

- The importance of Easter

## PSHE

Children will be following the Jigsaw programme and learn:

- That money is needed to achieve some dreams
- Different jobs that people can have
- To identify a job they can do when they are older and what they need to do to achieve it
- The dreams and goals of young people in a different culture
- To support young people
- The health risks of smoking
- Risks of misusing alcohol
- Basic emergency aid procedures
- How the media promotes certain body types
- The different roles food plays in people's lives
- What makes a healthy lifestyle and the choices I need to make to be happy and healthy

## PE

Children will learn:

- To pass with accuracy and in different ways
- To choose a specific tactic for defending and attacking
- Gain possession by working as a team
- Use a number of techniques to pass and shoot

Which will be explored through netball

### Gymnastics with a focus on the cognitive skill

- How to develop their own and others' work
- How to recognise and suggest patterns of play with will increase chances of success

### Dance with a focus on the physical skill

- To perform a range of skills fluently and accurately in practice and performance situations