

## Maths

### Fractions

- Compare and order fractions less than 1
- Compare and order fractions greater than 1
- Add and subtract fractions (same denominator, within 1, greater than 1, mixed numbers)

### Multiplication and division

- Multiply 4-digit by 1 –digit numbers
- Multiply 2, 3 and 4 digit by 2-digit numbers
- Solve problems with multiplication
- Short division
- Divide a 4-digit number by a 1-digit number
- Divide with remainders
- Efficient division
- Problem solving with multiplication and division

### Fractions

- Multiply unit, non-unit fractions and mixed numbers by an integer
- Calculate fractions of a quantity, find fractions of an amount and find whole
- Use fractions as operators

## Geography: Earning a living

- To explore jobs and why they are important.
- To be able to group jobs into sectors.
- To explore industries of the UK.
- To find out how people earn a living in other parts of the world.
- To find out about unemployment and its effects.
- To find out about children around the world who help earn a living for their families.
- Understand the concept of trade links and the economy.
- Use a map of the UK to identify where different industries are more prevalent and annotate a world map to show different industries in different countries.
- Describe how climate and landscape help determine a country's industries. Understand that the UK's industries are dependent on

## Science: Properties and changes of materials

- Recognise mixtures and pure substances.
- Investigate how mixtures can be separated by dissolving.
- Investigate how temperature and surface area can affect dissolving.
- Identify reversible and irreversible changes to a substance.
- Investigate how mixtures can be separated through magnetism and filtration.
- Use techniques learnt to separate mixtures.

## Computing: Mars Rover 1

- Identify how and why data is collected from space
- read and calculate numbers using binary code
- Identify the computer architecture of the Mars Rovers
- Use simple numbers to calculate bit patterns
- Represent binary as text

## French:

- Understand some basic grammar appropriate to the French language: gender – masculine, feminine- nouns (singular and plural)
- Understand and express more complex opinions
- Understand word order of adjectives
- Memorise short sentences for a role play
- Speaking Assessment: Role play in a café



## Spring 1

This term our topic is on:  
**Earning a living**



## Music: South and West Africa

- Sing a traditional African song unaccompanied
- Use tuned percussion to play a chord progression
- Use vocals or tuned percussion to perform a piece of music as an ensemble
- Play call and response rhythms using percussion instruments
- Create an eight beat break to play within a performance

## PSHE: 1 Decision

### Keeping/Staying healthy– smoking

- Explain some of the risks associated with smoking
- Describe how smoking can affect your immediate and future health
- Identify and use skills and strategies to resist any pressure to smoke

## R.E: Hinduism

Theme: Hindu beliefs

Concept: Reincarnation

Key Question: How can Brahman be everywhere and in everything?

- To explore the essence of myself
- To explore the tri-murti.
- Hindu Temple visit
- To explore how Hindus teach their children about God
- To evaluate whether Brahman really is everywhere
- To meditate to a relaxing sound

## Art: Rural rules- sketching

- Explore the work of John Constable
- Use John Constable's techniques to develop a sketch
- Review and up-level sketch using a range of resources and techniques
- Create an original sketch using the techniques learnt
- Evaluate techniques and our sketch with John Constable's

## English

Core book: **The Nowhere Emporium**

### Writing outcomes:

Fiction-

- Short narrative
- Internal Monologue
- Comic hero- fight with Grendel
- New viewpoint on the same plot

Modal verbs

Alliteration

Dialogue

Time adverbials

Similes

Action (power of 3)

Parenthesis

Relative clauses

Precise verbs and complex sentences

Repetition for effect

Prefixes

Prepositions

### Tag rugby-

- Refine passing and moving to create an attack that results in a try
- Pupils to explore different passing styles (miss pass), which can be used to outwit defenders to score a try.
- How to execute a loop pass understanding where, when and why this pass is used in a game.
- Refine pupils' understanding of how we defend in tag rugby.
- Develop an understanding of basic defending tactics and formations, which can be applied to prevent the attackers from scoring.
- Bring together the suggested sequence of learning into a level 1 tournament.