

## Maths

### Angles

- Angles on a straight line
- Angles on a point
- Angles in a triangle, quadrilateral
- Opposite angles

### Measurement

- Conversion units of length, mass, capacity and time
- Coordinates
- Plotting coordinates in all four coordinates
  - Finding missing coordinates

### Area

- Finding the area of quadrilateral, compound shapes

### Perimeter

- Finding the perimeter of quadrilateral, compound shapes
- Calculate the volume
- Find the missing side of a cuboid and prism

Transformation – translation and reflection

## Geography

- To use a range of sources to research and write about a natural disaster in history.
- To use map skills to identify geographical features
- To investigate geographical processes.
- To use map skills to locate different types of volcanoes.
- To explain the distribution of natural resources.
- Name and locate the key topographical features including coast, features of erosion, Hills Mountains and rivers. Understand how these features have changed over time.
- Describe and understand key aspects of physical geography: Volcanoes, earthquakes, plate tectonics. Distribution of natural resources focusing on energy.
  - Use maps, atlases, globes and digital mapping (Google Earth) to locate countries and describe features studied. To use a range of sources to research and write about a natural disaster in history.
  - To use map skills to identify geographical features
  - To investigate geographical processes.

## Science: Light

- To recognise that light appears to travel in straight lines.
- To use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.
- To explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.
- To use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

## Computing: Big Data

- To identify how barcodes and QR codes work
- To know how infrared waves transmit data
- To recognise the uses of RFID
- To know how encoding keeps data safe
- To gather and analyse data in real time
- To analyse and evaluate data

## Music: Film Music

Exploring and identifying the characteristics of film music. Creating a composition and graphic score to perform alongside a film.

- To appraise different musical features in a variety of film contexts
- To identify and understand some composing techniques in film music
- To use graphic scores to interpret different emotions in film music
- To create and notate musical ideas and relate them to film music

## Literacy

Core book: **Escape from Pompeii**

Writing outcomes: **Narrative and an Explanation text**

**Narrative:**

- Setting description
- Building tension through change in setting
- Characters feelings and actions
- Use of dialogue to advance a characters thoughts and actions
- Use of fronted adverbials, prepositional phrases
- Relative clause, use of punctuation for parenthesis
- Use of colon and semi colon
- Change in mood and setting
- Figurative language (simile, metaphor personification)
- Tense: Simple past, Past progressive (\_\_\_ing), Perfect (had walked)
- Use variety of sentence type

**Explanation Text:**

- Third person
- Present tense
- Use of technical vocabulary
- Use of headings, subheadings, diagrams, captions
- Write/edit/redraft/publish

## French: Our School

- Learn the name of school subjects
- Use adjectives to reinforce your point of view
- Talk about our timetable and someone else's timetable using different verbs and personal pronouns
- Write your own presentation on school subjects

## PSHE: 1 Decision

### **Keeping and staying safe: Alcohol and drugs**

- Discuss when and why people drink alcohol
- Identify the risks associated with alcohol (+ drugs - extension)
- What affects can alcohol have on your body?
- Describe how alcohol can affect your immediate and future health
- Develop and recognise skills and strategies to keep safe

## P.E

### **Invasion: Basketball**

- The focus of the learning is to consolidate pupils' understanding of the rules of the game and how they can apply this knowledge to play in mini games.
- Children to use their prior learning of passing, dribbling and moving, to move the ball up the court, creating an attack that results in a successful shot



## Spring 1

This term our topic is on:

### Extreme Earth



## R.E: Christianity

Theme: Beliefs and Meaning

Concept: Salvation

Key Question: Is anything ever eternal?

- To express the feelings I have when I think about situations or things I would like to last forever.
- To make links between different Christian beliefs and their views on whether anything is ever eternal.
- To reflect on my own beliefs about whether anything is eternal.

## Art

Skill- Painting – Acrylic and canvas  
Inspirational Artist- Stephanie Peters

- Look at different Natural Disasters artwork created by Stephanie Peters
- To develop ideas: Sketch the drawing of the selected natural disasters expressing emotions and feelings: tints, shades, tone, bright colours
- To master techniques: Create different natural disasters using acrylic, string and thread to stitch back together
- To evaluate techniques and compare.