

## Science

### Knowledge

#### Forces and Magnets

Pupils should be taught to:

- compare how things move on different surfaces
- notice that some forces need contact between 2 objects, but magnetic forces can act at a distance
- observe how magnets attract or repel each other and attract some materials and not others
- compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
- describe magnets as having 2 poles
- predict whether 2 magnets will attract or repel each other, depending on which poles are facing.

### Skills

Working scientifically through the teaching of the programme of study content:

- Set up simple practical enquiries and comparative and fair tests.
- Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment.
- Ask relevant questions and use different types of scientific enquiries to answer them.
- Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.
- Gather, record, classify and present data in a variety of ways to help answer questions.
- Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Use straightforward scientific evidence to answer questions or to support findings.
- and conclusions.
- Identify differences, similarities or changes related to simple scientific ideas and processes.

## Computing

We are presenters

### Knowledge

- develop their web-based research skills
- structure, prepare and deliver a talk about a given topic or subtopic studied in another curriculum area
- record a piece to camera
- edit a movie using static images and green screen footage
- give constructive, critical feedback on recorded presentations.

### Skills

- To use a range of software for similar purposes
- To collect information
- To manipulate and improve digital images
- To design and create content
- To search for information on the web in different ways
- To manipulate and improve digital images

## English

- Writing to entertain:
  - Different types of poetry
  - linked to work on Volcanoes
- Writing to inform:
  - Non-chronological report on volcanoes
- Writing to inform:
  - Newspaper report about the fall of Pompeii
- See English long-term plan to see grammar and punctuation focus.

## Geography

Looking at volcanoes and earthquakes.

### Knowledge

- To know about and describe the key aspects of earthquakes
- To know about and describe the key aspects of volcanoes

### Skills

- To know about, locate and name some of the world's most famous volcanoes

## Art and Design

Volcanoes Art

### Knowledge

- To create volcanic artwork using digital images
- To choose a material for both its suitability and its appearance.

### Skills

- To use sketches to produce a final piece of art
- To use a range of brushes to create effects
- To use digital images and combine with other media in art
- To prove my design meets some set criteria.

## Physical Education

Social skills

### Knowledge

- Dynamic balance and agility

### Skills

- To know and use rules fairly
- Aware of space
- Adapt sequences
- Repeat, remember and repeat phrases

## Maths

Number:

- Doubling and halving numbers up to 100 using partitioning.
- Understanding fractions and fractions of numbers.
- add and subtract 2-digit numbers using partitioning
- add three 2-digit numbers by partitioning and recombining
- Place 2- and 3-digit numbers on a number line; round 3-digit numbers to nearest 100; use counting up to do mental subtractions with answers between 10 and 20, 10 and 30, and either side of 100

Measurement:

- Use money to add and subtract and record using the correct notation and place value
- Choose an appropriate instrument to measure a length and use a ruler to estimate, measure and draw to the nearest centimetre
- Know 1 litre = 1000 ml
- Estimate and measure capacity in millilitres



Year 3

Autumn 2

## Religious Education

Termly question: **What does it mean to be a Christian in Britain today?**

Key questions:

- How and why do different Christians celebrate Holy Communion?
- How do Christians make a difference in their local community?
- Why do people stand up against injustice because of their religion?

## Music

Poetry: Children will focus on performance with a subject link to English.

Communication: Children will focus on composition with a subject link to computing.

### Knowledge

- Using musical words to describe a piece of work and compositions
- Using different elements in a composition
- Recognising the work of at least one favourite composer
- Composing melodies and song
- I know how to compose melodies and songs.

### Skills

- Playing clear notes on an instrument
- Creating an accompaniment for tunes
- Creating repeated patterns with different instruments
- Combining different sounds to create a specific mood or feeling

## History

The history of famous volcanoes and earthquakes

### Knowledge

- Key facts about volcanoes and their impact on history
- Key facts about volcanoes and their impact on history
- Impact major eruptions have had on civilisations

### Skills

- To distinguish between different sources and compare different versions of the same story
- Communicate knowledge through discussion, drama/role play
- Find out about everyday lives of people in the time studied

## French

Classroom instructions, ask for and give name and state age

### Knowledge

- Recognise and respond to sound patterns and words
- Listening attentively and understanding instructions
- Making links between rhymes, sounds and spellings
- Perform simple communicative tasks
- Identify social conventions
- Listen and respond to stories, rhymes and songs
- Recognise familiar written words
- Making links between sounds
- Experiment with writing short words

### Skills

- Give a response using a short phrase
- Explore the main points of a passage
- Write phrases from memory
- Read and understand a short passage using familiar language.