



Term: Autumn 1

Year: 2021/2022

Teacher: Mr Foulds

Year Group: 5

## TOPIC: Extreme Earth – Natural Disasters

### RELIGIOUS EDUCATION

#### Sikhism

- explain who founded Sikhism and where
- explain the key beliefs of Sikhism (e.g. about God and the Gurus; Nam Simran, Kirat karna and Vand chhakna) and their importance for Sikhs living in Britain today
- explain how Sikhs interpret the Mool Mantar and what it tells them about God, life and how to live
- investigate and explain what makes a Gurdwara a special place for Sikhs – in preparation for our trip to the Gurdwara in London
- give reasons and examples to explain how and why Sikhs put their beliefs into action in different ways
- show how beliefs and teachings guide Sikhs in responding to the challenges of life in Britain today

### COMPUTING

#### - Software

- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

### PE

#### Gymnastics

Work with a partner to show a variety of balances on the floor and apparatus with good body tension.

Work with a partner to practise meeting and parting using different gymnastic elements,

Evaluate my sequence from last week for improvement to the next level and practise for performance.

### SEASONAL ENRICHMENT

- **House day** – beach / drama / art / forest school
- **Use of the outdoor areas across the curriculum** – science link / RE link

### ART AND DESIGN

- exploring and using bendable wire and creating self-portraits
- recapping and using our understanding warm and cool colours
- exploring and using line and pattern in a variety of media e.g. pens, clay, drawing media and collage

### ENGLISH

- **Daily whole class spelling lesson**
- **Weekly whole class guided reading session** – focusing on vocabulary, inference, prediction, explanation, retrieval, and summarising / sequencing using high quality fiction and non-fiction texts
- **Daily reading for pleasure** – story time
- **Plan, draft, write, evaluate and edit a variety of writing**
- **Poetry**
- Free verse storm/volcano poetry – with a focus on vocabulary choice
- **Fiction**
- Narrative – based on 'The Firework Maker's Daughter' by Philip Pullman
- **Non-fiction**
- Non-chronological report based on 'Planet SOS'
- Persuasive speech based on the words of Greta Thunberg



### GEOGRAPHY

#### Physical geography

- volcanoes and earthquakes - looking at plate tectonics and the Ring of Fire

#### Geographical skills and field work

- use maps, atlases, globes and digital/computer mapping mapping (Google Earth) to locate countries and describe features studied

#### Locational knowledge

- on a world map, locate the main countries in Africa, Asia and Australasia/Oceania. Identify their main environmental regions, key physical and human characteristics, and major cities
- name and locate the key topographical features including coast, features of erosion, hills, mountains and rivers. Understand how these features have changed over time

### SCIENCE

#### Properties of materials

- compare and group everyday materials on the basis of their properties
- know that some materials will dissolve in liquid to form a solution
- use knowledge of solids, liquids, and gases to decide how mixtures might be separated
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and the this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda

### MATHS

#### Number and place value

read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit  
count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000  
round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000  
solve number problems and practical problems that involve all of the above

#### Multiplication and division

multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

#### Fractions

read and write decimal numbers as fractions [for example, 0.71 = 71/100]

recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

round decimals with two decimal places to the nearest whole number and to one decimal place

read, write, order and compare numbers with up to three decimal places

solve problems involving number up to three decimal places

#### Measurement

convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)

solve problems involving converting between units of time.

#### Addition and subtraction

add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

add and subtract numbers mentally with increasingly large numbers

use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

#### Statistics

solve comparison, sum and difference problems using information presented in a line graph

### MUSIC

- Using CHARANGO children are taught to sing and play musically with increasing confidence and control.

They will develop an understanding of musical composition, organising and manipulating ideas within musical structures and reproducing sounds from aural memory.

### SPIRITUALITY

- **Outdoor learning** – maths/science/outdoor investigations
- **Window and mirror links to science**
- awe and wonder moments
- **Links to 3 school values** – forgiveness, respect, friendship
- **Links to current Building Learning Power** – managing distractions

### BRITISH VALUES

- **Democracy** – school council opportunities / Head Boy and Head Girl responsibilities
- **Mutual respect** is at the heart of our values. Children learn that their behaviours influence their own rights and those of others
- **BLP skills** – questioning

### LANGUAGES

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- Family /Age / Look at me / Numbers 0-20

### PSHE

- Using the SCARF resources to explore various aspects of relationships.
- Explain what collaboration means.
- Give examples of how they have worked collaboratively.
- Describe the attributes needed to work collaboratively.
- Explain what is meant by the terms negotiation and compromise.
- Describe strategies for resolving difficult issues or situations.
- Demonstrate how to respond to a wide range of feelings in others.
- Give examples of some key qualities of friendship.
- Reflect on their own friendship qualities.