

Year 5 Autumn Term 1 - 2023 - Mountains



Science

Intent: To understand the properties and changes of materials.

SEQUENCE OF LESSONS

Properties and Changes of Materials

- 1 and 2. Irreversible changes - Burning.
- 3 and 4. Irreversible changes - Acids and bicarbonate of soda.
- 5 and 6. Reversible changes - Dissolving, mixtures and changes of state.
- 7 and 8. Separation by filtration and sieving.

Key Vocabulary:

properties, changes, materials, reversible, irreversible, burning, acid, alkali, filtration, sieving, dissolving, mixtures

Impact: Children can understand the properties and changes of materials.

Geography

Intent: To understand how mountains are formed and the key features of mountains around the world.

SEQUENCE OF LESSONS

1. What is a mountain?
2. How are mountains made?
3. What is it like on a mountain?
4. What are the UK's highest mountains like?
5. What is it like in the Himalayas?
6. What can I find out about the world's highest mountain?

Key Vocabulary:

mountain, Himalayas, Mount Everest, climate, conditions, location, avalanche, plates, plate tectonics, summit

Impact: Children can understand how mountains are formed and the key features of mountains around the world.

Art

Intent: To develop our drawing skills in order to create art based on imagery of space and the future.

SEQUENCE OF LESSONS

1. Space imagery.
2. Drawing decisions.
3. Teis Albers.
4. A vision for the future.
5. Revisiting ideas.

Key Vocabulary:

architecture, Cold War, culture, evaluate, future, futuristic, influence, propaganda, retro-futuristic, Space Race, The Soviet Union, collagraph, printing plate, technique, texture

Impact: Children can develop their drawing skills to create art based on imagery of space and the future.

RE

Intent: To understand how Hindus and Sikhs show commitment to their religion and to God.

SEQUENCE OF LESSONS

1. What are the five beliefs in Sikhism?
2. How do Sikhs put others before themselves?
3. What is meant by self sacrifice, and how have Sikhs shown this in the First and Second World Wars?
4. Why and how do Hindus treat their gods in a special way?
5. How else do Hindus show a commitment to God?
6. What is Dharma and how does it show a commitment to God?

Key Vocabulary:

Sikhism, self sacrifice, Golden Temple, commitment, duty, Hindu, Hinduism, Dharma,

Impact: Children understand how Hindus and Sikhs show commitment to their religion and to God.

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PSHE

Intent: To understand the rights and responsibilities we have as members of our school community.

SEQUENCE OF LESSONS

1. My year ahead - setting goals
2. Understanding the rights I have as a citizen of my country.
3. Understanding the responsibilities I have as a citizen of my country.
4. Rewards and consequences and making our own choices about our behaviour.
5. Creating our learning charter
6. Owning our learning charter.

Key Vocabulary:

education, appreciation, opportunities, goals, motivation, vision, hopes, challenge, rights, collaboration, communication

Impact: Children can understand the rights and responsibilities we have as members of our school community.

Computing

Intent: 1. To code efficiently. 2. To understand how to stay safe online.

SEQUENCE OF LESSONS

Coding:

1. Coding efficiently.
2. Simulating a physical system.
3. Decomposition and abstraction.
4. Friction and Functions.
5. Introducing Strings.
6. Text variables and Concatenation.

Online safety:

1. Message in a game
2. Online behaviour
3. Screen time

Key Vocabulary:

abstraction, concatenation, coding, algorithm, debug, debugging, decomposition, debugging, function, physical system

Impact: Children can code efficiently and stay safe online.

PE

Intent: To learn and develop the skills and techniques needed in Outdoor Adventurous Activity and Gymnastics.

SEQUENCE OF LESSONS

Outdoor Adventurous Activities

1. Communicate and collaborate, 2. Agility and Endurance, 3. Navigation skills, 4. All about Maps, 5. Around the Grounds, 6. Orienteering around the grounds.

Gymnastics - Movement

1. Jumps and Leaps, 2. Rolls, 3. Vaulting, 4. Handstands, cartwheels and round-offs, 5. Linking Moves, 6. Performance

Key Vocabulary:

orienteering, map, compass, collaborate, communicate, hurdle step, round off, pike, stag jump, split leap, springboard, vault

Impact: Children can learn and develop the skills and techniques needed in Outdoor Adventurous Activity and Gymnastics.

Music

Intent: To create and perform music inspired by Living on a Prayer by Bon Jovi.

SEQUENCE OF LESSONS

6 progressive steps (lessons) based on the following activities:

1. Listen and Appraise 'Living on a Prayer' and other classic rock songs.
2. Warm Up Games and Flexible Games based around the c.
3. Learn to sing the song.
4. Learn to play the song using glockenspiels and other instruments.
5. Perform the song.

Key Vocabulary:

listen, appraise, evaluate, create, perform, rhythm, tempo, beat, arrangement, timbre

Impact: Children can create and perform music inspired by Living on a Prayer.