

Year 5 Spring Term - 2024 - Volcanoes and Earthquakes



Science

Intent: To understand what a force is and the impact of forces on the world around us.

SEQUENCE OF LESSONS

Forces

1. Gravity
2. Friction
3. Air resistance
4. Water resistance
- 5 and 6. Levers, pulleys and gears.

Key Vocabulary:

Forces, resistance, friction, levers, pulleys, gears, gravity, magnetism, air resistance, water resistance

Impact: Children can understand what a force is, and how they impact the world around us.

Geography

Intent: To understand the structure of the earth and the impact of earthquakes and volcanoes.

SEQUENCE OF LESSONS

1. The structure of the Earth.
2. Features of a volcano.
3. Famous volcanoes and earthquakes.
4. Effects of volcanoes and earthquakes.
5. Preparing for an earthquake.
6. What it's like living near a volcano.

Key Vocabulary:

dormant, active, crater, eruption, epicentre, tsunami, plate boundary, disaster, eruption, plate tectonics

Impact: Children can understand the structure of the earth and the impact of volcanoes and earthquakes.

DT

Intent: To design and make mechanical systems (making a pop-up book). To design and make a healthy well-balanced meal.

1. To investigate an existing product to determine the factors that affect the product's form and function.

SEQUENCE OF LESSONS

1. To understand how motors are used in electrical products.
2. To apply the findings from research to develop a unique product.
3. To develop a DIY kit for another individual to assemble their product.

Key Vocabulary:

circuit component, configuration, current, develop, DIY, investigate, motor, motorized, problem solve, product analysis, series circuit, stable, target user

Impact: Children can design and make a Doodler electrical system.

RE

Intent: To understand how Sikh stories are relevant today. To understand why Jesus' dies in the Easter story.

SEQUENCE OF LESSONS

1. Experience Sikh stories.
2. What does the Guru Granth Sahib teach?
3. To consider Bhai Kanaiya Ji's story and its meaning today.
3. To identify morals in Sikh Stories.
4. To evaluate 'How are Sikh Stories Relevant Today?'

Key Vocabulary:

Sikhism, Guru Granth Sahib, Morals, Guru, Waheguru

Impact: Children can understand how morals in Sikh stories are relevant today.

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PSHE

Intent: To understand how having aspirations, dreams and goals can impact our future.

SEQUENCE OF LESSONS

1. When I grow up (investigating my dream lifestyle).
2. Investigating jobs and careers.
3. My dream job.
4. Jobs and aspirations of other people.
5. How can we support each other?
6. Rallying support

Key Vocabulary:

Aspirations, jobs, careers, hopes, dreams, future, career, support, profession, determination, perseverance, profession, contribution, society

Impact: Children can understand how having aspirations, dreams and goals can positively impact our future.

Computing

Intent: 1.use databases 2. create games 3. 3D Modelling

SEQUENCE OF LESSONS

Databases

1. To learn how to search for information in a database.
2. To contribute to a class database.
3. To create a database.

Game Creator

1. To design and create the game environment.
2. To design and create the game quest.
3. quest.
4. To finish and share the game.

Key Vocabulary:

1. Arrange, Avatar, Chart, Collaborative, Data, Database, Field, Group, Record, Database Report, Statistics, Search
2. Animation, Computer Game, Customise, Evaluation, Image, Instructions, Interactive, Screenshot, Texture, Perspective, Playability

Impact: Children can use databases, create games and use 3D modelling software.

PE

Intent: To learn and develop the skills and techniques needed in Basketball and Circuit training.

SEQUENCE OF LESSONS

Invasion Games - Basketball

1. Expert dribbling
2. Skilful passing
3. Footwork and pivoting
4. Keeping possession
5. Smart marking
6. Let's play

Circuit Training

1. Simple circuits
2. Individual challenges
3. Fitness battles
4. Speed Agility Quickness
5. Group challenges
6. Fitness instructors

Key Vocabulary:

Balance, eyes, elbows, flick, pass, move, defence, offence, circuit, heart rate, pulse, cardiovascular, endurance, circuit

Impact: Children can learn and develop the skills and techniques needed in Basketball and Circuit training.

Music

Intent: To create and perform music inspired by 'Make You Feel My Love' (Charanga).

To explore the four seasons - winter by Vivaldi (BBC 10 pieces).

SEQUENCE OF LESSONS

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

1. Listen and Appraise 'Make you feel my love'.
2. Warm Up Games and Flexible Games.
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 'Make you feel my love'.