Year 5 Spring Term - 2025

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 - Settlements

Intent: To identify key features of a range of settlements.

SEQUENCE OF LESSONS

1. What is a settlement?
2. What is a village?
3. What is a town?
4. What is a city?
5. London: The largest city in the UK
6. Cardiff: Capital city of Wales

Key Vocabulary: settlements, hamlet, farmstead, village, rural, inhabitants, church, village green, post office, small shops, primary school, pub, village hall, secondary school, facilities, railway station, urban settlement, adapt, coastal town, market town, city, university, large hospitals, cathedraw, airport, sprawling, urban sprawl, boroughs, Londoners, Tube, Underground, Cycle lanes, conurbation, flats, Cardiff, capital city, Taff, businesses, connect

Impact: Children can recall the types of settlements and what features they have, as well as, be able to articulate about a city in England and Wales.

History – The Indus Valley

Intent: To understand in what ways the Indus Valley developed.

SEQUENCE OF LESSONS

1. The dancing girl.
2. So many puzzles.
3. Bricks, buildings, baths and bathrooms.
4. Making beautiful things.
5. Boats, barter, trade and travel.
6. Two more puzzles: rulers and religion.

Key Vocabulary: necklace, hangles, Mohenjo-Daro, merchants, market, Indus Valley civilization, reconstruction, Harappa, monuments, seals, sources, evidence, trench, pottery, potsherds, threshed, threshing, barley, beckon, urban, citadel, fired, kiln, technology, sewage, Lothal, drain, wells, draw water, jewellery, oxen, rhinoceroses, unicorns, terracotta, ornaments, carnelian, barter, weights, transport, prow, governed, fertility, Asia, Hindu

Impact: Children can recall the types of settlements and what features they have, as well as, be able to articulate about a city in England and Wales.

RE - Living Hindu traditions

Intent: To understand the traditions of the Hindu religion.

SEQUENCE OF LESSONS

1. Worshipping together – family puja
2. Worshipping anywhere, any time!
3. Ganesha, the god of good fortune.
4. The story of Ganesha's birth.
5. Shiva: endings and beginnings.
6. A festival for Parvati.

Key Vocabulary: shrine, puja, puja tray, sandalwood, incense, atmosphere, impure, Ganesha, swirl, aarti, supreme, tradition, creation, murti, contentment, wise, wisdom, good fortune, joy, prayer, truth, Parvati, Shiva, fierce, warlike, guard, threatened, meditating, hustle and bustle, focus, trident, timeless, necklace, renewal, shed, Nepal, henna, Teej, fasting, procession, thankful

Impact: To explain how Hindu's show their devotion to the Gods.

Year 5 Spring Term - 2025

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.

DT

Intent: To design and make electrical systems

SEQUENCE OF LESSONS

1. To understand how motors are used in electrical products.
2. To investigate an existing product to determine the factors that affect the product's form and function.
3. To apply the findings from research to develop a unique product.
4. 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.

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 be able to play the more complicated rhythms in time and with rests.

SEQUENCE OF LESSONS
Lesson 1: Shosholoza a cappella
Lesson 2: Playing Shosholoza
Lesson 3: The Shosholoza show
Lesson 4: Drumming away to Africa
Lesson 5: Eight-beat breaks

Key Vocabulary:
a capella. Break,, chord, progression, diction Djembe duo, dynamics,metronome, ,polyrhythms Pronunciation, pulse,Nostinato Rests, rhythm, eight-beat break, ensemblemajor chord, master drummer, syncopation, tempo tuned percussion,unaccompanied vocals

Impact: Create an eight beat break and play this in the correct place.

Computing

Intent:To know about the Mars Rover and be able to use binary code

SEQUENCE OF LESSONS
Mars Rover
1.Mars Rover-To identify how and why data is collected from space.
2.Binary code-To read and calculate numbers using binary code.
3.Computer architecture-To identify the computer architecture of the Mars Rovers.
4.Using binary- numbers-To use simple operations to calculate bit patterns.
5.Using binary-text-To represent binary as text.

Key Vocabulary:
8-bit binary, addition, ASCII, binary code, Boolean, byte, CPU, data, data transmission, decimal numbers, discovery, distance, hexadecimal, input, Mars Rover, moon, numerical data, output, Planet, radio signal, RAM, scientist, sequence, signal, simulation, space, subtraction

Impact: Children know about the Mars Rover and can read any number in binary, up to eight bits.