



Barrow Hedges Medium Term Topic Planner (Overview)

Year 5 Spring 1

Stargazers

Art & Design: *Fantasy/Zodiac*

- To use shading to create mood and feeling to create a pastel fantasy landscape.
- To use layers to create depth within a picture.
- To combine visual and tactile elements when producing artwork.
- To create an artistic impression of the signs of the zodiac using creativity and experimentation.
- To improve their mastery of painting techniques.
- To organise lines, tone, shape and colour to represent figures and forms in movement.
- To use textiles and sewing skills as part of a project.

Music: *Stargazers*

Each unit in the Year 5 the music curriculum covers the following skills:

- To be able to recognise styles, find the pulse and recognise instruments with increasing confidence.
- To internalise, understand, feel and know how the dimensions of music work together.
- To understand a wide range of music drawn from different traditions and from great composers and musicians.
- To explore the link between sound and symbol.
- To use and understand staff and other musical notations.
- To create my own responses, melodies and rhythms.
- To play a classroom instrument in a group.
- To perform to each other.
- To discuss/respect and improve our work together.
- To improvise and compose my own music.

Computing: *We are Cryptographers*

- To send and receive messages using semaphore.
- To send and receive message using Morse Code.
- To use the Caesar cipher to create and crack codes.
- To explore how substitution ciphers work and evaluate their security.

E-safety

- To explore password security and understand the need to use complex passwords and to keep them secure.
- To have some understanding of how encryption works on the web.

PHSE and Relationships Education: *Going for Goals*

- To consider how reaching my goals in different ways impacts me and others.
- To consider social and moral dilemmas that I come across in everyday life e.g. aggressive behaviour, questions of fairness, right and wrong, simple political issues.
- To know what improves and harms their local, natural and built environments and know about some of the ways people look after them.

Safeguarding:

- To understand the media presents information in different ways and that this may be misleading and understand the impact of positive and negative content online on own and others mental wellbeing.

RE: *Hinduism*

- To be able to explain the core beliefs of Hinduism.
- To research the different deities Hindus worship.
- To know where and how Hindus pray.
- To explain the purpose and significance of the items on a Puja tray.
- To design a shrine and explain the significance of chosen items.



PE:

Indoors: *Gymnastics (bridge-balancing)*

- To adapt and transfer skills of travelling, rolling and balancing onto apparatus.
- To be able to combine action, balance and shape.
- To be able to perform a range of bridge shapes thinking about altering the base.
- To be able to adapt bridge shapes to make high and low ones.
- To understand and demonstrate what makes a good balance.
- To make complex extended sequences which include different elements either individually, with a partner or within a small group.
- To be able to use space and apparatus safely.
- To be able to work co-operatively as part of a small group.
- To evaluate my own and others' performance.

Outdoors: *Handball and dodgeball*

- To develop, refine and adapt the overarm and underarm throw.
- To develop accuracy in throwing techniques.
- To be able to perform passes when stationary and when in motion.
- To select and apply different throwing techniques and tactics in a games situation.
- To know and apply the basic rules to play a competitive dodgeball and handball game.

History:

No focus this half term.

Geography: *Globe Trotters*

- To recap the significance of the equator, and the Tropics of Cancer and Capricorn
- To understand the idea of the lines of longitude and latitude and how these may be used
- To identify biomes across the globe.
- To use satellite images and atlases to describe and compare different climate zones.
- To understand the position and significance of the Greenwich/Prime Meridian and time zones and calculate time differences.
- To recap the location of major volcanoes (noticing patterns across the globe) and rivers and identify major mountains, mountain ranges and deserts using a globe and atlases.
- To understand the difference between a hill and a mountain.
- To explore the upland areas of the UK and know about the mountains or hills which are closest to Carshalton.
- To identify where important minerals are found in the world and how this affects the local economy of those places.
- To make a detailed plan for a journey to another part of the world.

MFL: *Reading & answering questions/shops*

- To know the names of familiar shops.
- To be able to answer questions based on something I have read.
- To read and understand text.
- To write 2-3 sentences independently.

D&T:

No focus this half term.

Science: *Earth & Space*

- To understand the different forms of scientific enquiry.
- To describe the movement of the Earth, and other planets in relation to the Sun.
- To know the planets in the solar system and present findings from an enquiry to answer a question.
- To describe the movement of the Moon in relation to the Earth.
- To identify the phases of the moon.
- To describe the Sun, Moon and Earth.
- To explore the size, scale of planets and understand the conditions on the planets.
- To explain and demonstrate how night and day occur.
- To understand time zones across the world.
- To describe the apparent movement of the Sun across the sky.
- To set up a test and present findings on how the length of a shadow changes over a day.