



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 the consequences for possible solutions of reaching my goal for myself.
- To consider the consequences for possible solutions of reaching my goals for others.
- To consider the consequences for possible solutions of reaching my goal for my community.

Safeguarding:

- To know where to find information and help.

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: *OAA*

- To demonstrate the ability to work with and trust others.
- To explore various communication challenges.
- To understand the value others members can bring to a group.
- To establish designated roles within a team.
- To read an orienteering map and complete a course
- To read the scale on a map.
- To introduce measuring distances.
- To create journey trails in various locations around the school site demonstrating team work.

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 the 10 environmental regions 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.