

## RSHE

Prevent workshops

**No outsiders** - Y6 lesson 3 – To challenge the causes of racism



St. Cecilia's Catholic Primary School

Topic Map: Year 6 , Spring Term 2



## Geography: Coastal Erosion & Environmental Pollution

### Enquiry Question: "Are we damaging our world?"

#### The children will:

Locate UK's major urban areas on a map, know their characteristics, examine the effect of pollution in such areas and compare to rural areas.

-Explore how coastal erosion has changed the shape of coasts.

-Study locations with similar issues regarding pollution in Europe (Bulgaria) and San Francisco and coastal erosion in Dover and California.

-Locate places studied in relation to the Equator, the Tropics, latitude and longitude, time zones, climate seasons and vegetation.

-Explain how marine environments (biomes) are being harmed by pollution. Give reasons why we should protect them.

-Understand hazards from physical environments and their management, such as coastal erosion and environmental pollution and explain the impact on wildlife/habitats.

-Describe and understand physical processes of coastal erosion and the water cycle (Y4 link Geog & Science) and resulting landscape features e.g. headlands, bays, rivers.

#### Crucial Knowledge children must remember:

- Know that an urban area is the region surrounding a city, highly developed with people, building, roads and railways.
- Know that a rural area is an open swath of land, that has few homes, buildings and low population.
- Give reasons why people choose to live in urban/rural areas.
- Know that pollution levels are higher in urban areas due to heating of building, construction and traffic.
- Know that air pollution consists of chemicals or particles in the air that can harm the health of humans, animals, and plants. It also damages buildings
- Know 'The greenhouse effect' is a process that occurs when gases in Earth's atmosphere trap the Sun's heat. This process makes Earth much warmer than it would be without an atmosphere.
- Know acid rain is acidic gases dissolved in rainwater and this can negatively effect the environment, polluting rivers, harm vegetation and corrode buildings/statues.
- Understand that plastic pollution has a negative affect on an ocean biome. Suggest ways in which we can protect them.
- Know causes and effects of pollution levels in San Francisco. Compare to Uk urban areas ie Liverpool.
- Know that coastal erosion occurs when the sea wears away the land. ... Erosion is so dramatic here because the cliffs along the coast are made from boulder clay, which is soft and crumbly rock. Heavy rains and sea storms make the erosion worse. Give ways in which humans cause erosion.
- Describe how coastal erosion shape a landscape.
- Suggest ways in which we protect our constantly changing coasts.

## Physical Education:

### Athletics

To work collaboratively with a partner to set a steady pace.

To develop your own and others sprinting technique.

To develop power, control and technique for the triple jump.

To develop power, control and technique when throwing for distance.

To develop throwing with force and accuracy for longer distances.

To work collaboratively in a team to develop the officiating skills of measuring, timing and recording.

### Golf

To develop technique for hitting accurately over a short distance.

To develop technique for hitting over a short distance.

To select and apply skills for a short game.

To develop the technique for a long game.

To select the appropriate shot for the situation.

To design a course and select the appropriate shot for the situation.

## STEM Week

### Burgers

That a recipe can be adapted by adding or substituting one or more ingredients

### Class Read:

**Title:** Hero Twins against the Lords of Death

**Curriculum links:** History

**Writing opportunities:** Letters, reports and biographical writing. A Mayan Myth

## Religious Education:

### 6) Lent/Easter: Giving

'Death & New Life'

**Big question:** Can any good come out of loss and death?

Celebrating Jesus' death and resurrection.

## Computing

### Computer Science:

Inputs and creating variables through Code Studio  
Course F: Lessons 7-11

### Digital literacy & Online safety:

Digital Friendship  
Cyberbullying

### IT & Digital Literacy:

Data and Information, Spreadsheets, Word Processing,  
Functional Skills and Collaboration & Communication

## Mathematics:

Summer Term units will begin this half term in preparation for SATs.

### Unit 12 – Statistics

Interpret line graphs  
Draw line graphs  
Advanced bar charts  
Understand and complete pie charts  
Read and interpret pie charts  
Pie charts and fractions (1)  
Pie charts and fractions (2)  
Pie charts and percentages  
Introduction to the mean  
Calculate the mean  
Problem solving – mean  
End of unit check

### Unit 13 – Geometry – Properties of shapes

Measure and classify angles  
Vertically opposite angles  
Angles in a triangle  
Angles in a triangle – missing angles  
Angles in a triangle – special cases  
Angles in quadrilaterals  
Angles in polygons  
Circles  
Parts of a circle  
Draw shapes accurately  
Nets of 3D shapes (1)  
Nets of 3D shapes (2)

### Unit 14 – Geometry – position and direction

The first quadrant  
Read and plot points in four quadrants  
Translations  
Reflections  
Solve problems with coordinates

## English

### Vehicle Text: The Ways of the Wolf

Recount: Documentary Narrative  
Purpose: To narrate

Discussion: Balanced Argument  
Purpose: To discuss

Narrative: Hunted Narrative  
Purpose: To narrate

### Grammar: Word

Build on previous units & focus on: Develop understanding of how words are related by meaning as synonyms and antonyms The difference between vocabulary of informal speech and vocabulary appropriate to formal speech and writing.

### Grammar: Sentence

Build on previous units & focus on: Using expanded noun phrases to convey complicated information concisely Understand the difference between structures typical of informal speech and structures appropriate to formal Develop understanding of the passive to affect the presentation of information in a sentence Use the subjunctive forms in some very formal writing and speech.

### Grammar: Text

Build on previous units & focus on: Using cohesive devices, e.g. synonyms Accurate tense choices throughout the writing.

### Grammar: Punctuation

Build on previous units & focus on: Use semi-colons, colons and dashes to mark the boundary between independent clauses Use hyphens to avoid ambiguity Use colons to introduce a list Use semi-colons within lists.

## Science

**STEM Week - British Science Week**  
**theme: CHANGE AND ADAPT!**

### Electricity

- Describe the parts of an electric circuit.
- Explore voltage and its effect on an electrical circuit.
- Apply knowledge to identify and correct problems in a circuit.
- Investigate what affects the output of a circuit.
- Build a set of traffic lights.
- Apply knowledge of conductors and insulators.