

**Year group:** 6      **Term:** Autumn

**Topic:** Looking After Our World  
*Alongside: Disaster! Pompeii AD79*

## Kernow Cluster Topic Overview Sheet

# Objectives



**Opportunities for outdoor learning:**

- Explore invertebrates in school grounds and how they are adapted to their environment.
- How can we improve/better look after our local environment/town?
- Local beach clean.

**Key vocabulary:**

environment, habitat, ecosystem, biome, extinction, fossil, adaptation, evolution, coral bleaching, deforestation, global warming, carbon footprint, greenhouse effect



**Opportunities for trips / visitors:**

Beach clean  
Surfers Against Sewage (visitor)  
Local farm shop  
Shelterbox - Truro  
Islam Day – Workshops by Daya (visitor)

**PSHE objectives:**

- Understanding rights and responsibilities in a democratic society.
- Increase understanding of environmental and sustainability issues.

**Digital literacy:**

*Talking Safely Online:* Understand that the Internet is a great place to develop rewarding relationships. Understand not to reveal private information to a person they know only online.

**Whole class texts:**

*The Hunter* – P. Geraghty  
*The Vanishing Rainforest* – Platt & Van Wyk  
*World Without Fish* – Mark Kurlansky  
*Eco-wolf and the Three Pigs* – Laurence Anholt  
*Stories for a Fragile Planet* – Kenneth Stephen

**History objectives:**

N/A

**PE objectives:**

- Dribble the ball at speed holding the hockey stick correctly.
- Pass/receive the ball accurately whilst moving in hockey and football.
- Play competitive games and select the best ways to attack and defend in hockey/football.

**Maths objectives:**

- Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes.
- Recognise, describe and build simple 3-D shapes, including making nets.
- Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.
- Use, read, write and convert between standard units of measure.

**English objectives:**

- Summarise the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.
- Distinguish between statements of fact and opinion.
- Explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary.
- Identify the audience for and purpose of the writing, selecting the appropriate form.

**Geography objectives:**

- Describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains.
- Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night).
- Understand geographical similarities and differences through study of human and physical geography of a region e.g. water availability and usage in Kenya and the U.K.

**Music objectives:**

- Use and understand staff and other musical notations.
- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.

**Science objectives:**

- Identify how animals and plants are adapted to suit their environment and that adaptation may lead to evolution.
- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.
- Identifying scientific evidence that has been used to support or refute ideas or arguments.

**Languages objectives:**

- Speak in sentences, using familiar vocabulary, phrases and basic language structures writing.
- Describe people, places, things and actions orally and in writing.

**Art objectives:**

- Improve their mastery of art and design techniques, including drawing (focusing on pattern). Looking at the work of Eileen Agar – *Bride of the Sea*.

**Computing objectives:**

- Use search technologies effectively.
- Appreciate how results are selected and ranked.
- Be discerning in evaluating digital content.

**RE objectives:**

- To know how Moses communicated the commandments to his people to help them become the People of God.
- To know the major liturgical feasts of the Church.
- Examine the role of prophets in Islamic religion.

**Design Technology objectives:**

- Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.
- Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.

**Year group: 6**      **Term: Autumn**

**Topic: Looking After Our World**  
*Alongside: Disaster! Pompeii AD79*  
*The Gadget Show*

**Kernow Cluster Topic Overview Sheet**  
**Skills**

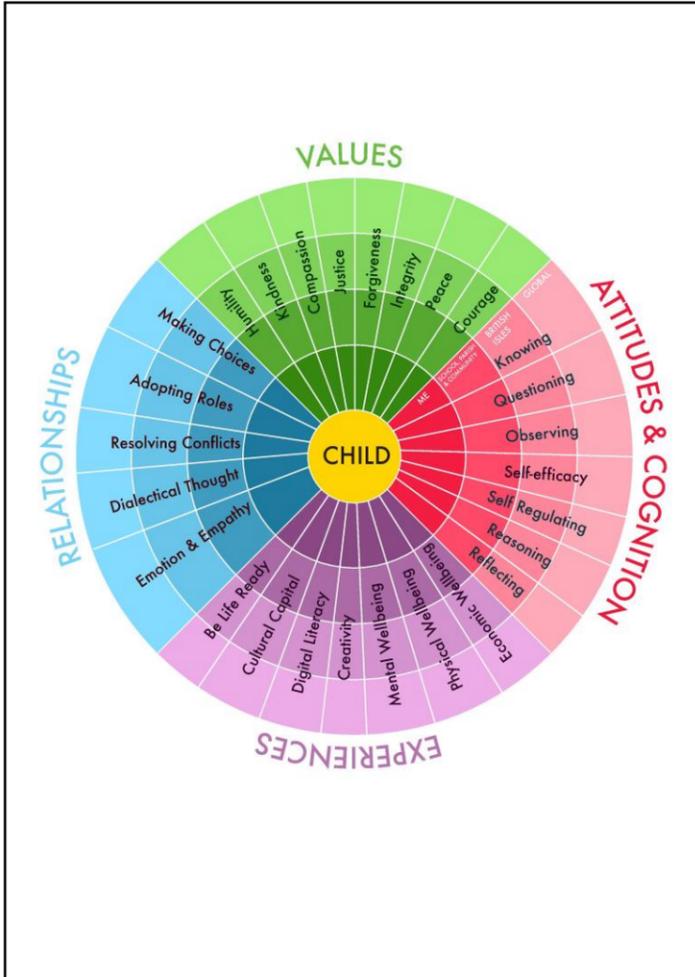


- Links to previous topics:**
- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1)
  - Describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle. (Y3)
  - Recognise that environments can change and that this can sometimes pose dangers to living things. (Y4)

- Links to future topics: Y7**
- Maths – Solve multi-step problems.
  - PE – Hockey. Develop skills to improve performance.
  - RE – Key beliefs in Islam.
  - Languages – Talk about the school day and daily routine.
  - Music – Composition.

- PSHE:**
- Describe some of the different beliefs and values in society, and can demonstrate respect and tolerance towards people different from themselves.
- British values:**
- Responsibility. Law. Respect.

- Maths skills:**
- Recognise that shapes with the same area can have different perimeters and visa versa.
  - Derive and apply formulae to calculate and solve problems involving the area of triangles, parallelograms and trapezia.
  - Measure and accurately construct the nets of the 3D shapes.
  - Recognise and use common 2-D representations of 3-D objects.
  - Calculate, estimate and compare the volume of cubes and cuboids using standard units, extending to other units.



**Opportunities for home learning / cultural capital:**

Falmouth Art Gallery  
*Tremenheere Sculpture Gardens – Penzance*

- Set homework:**
- Revision of the four main written calculation methods.
  - Collect examples of current environmental issues in the news.

**History skills:**

N/A

- PE skills:**
- Explain and evaluate the different techniques used for passing, controlling, dribbling and shooting the ball in games.
  - Make and apply a range of decisions quickly and appropriately in games.
  - Play in a number of attacking and defending positions effectively.
  - Apply rules consistently and fairly.

- English skills:**
- Summarise and organise material and supporting ideas and arguments with any necessary factual detail.
  - Use a wide range of organisational and presentational devices to structure text and guide the reader.
  - Know and understand the differences between spoken and written language, including formal and informal registers.
  - Develop depth of information and events within paragraphs and sections.

- Geography skills:**
- Describe how decisions made about places and environments can impact on the lives of the people who live there.

- Music skills:**
- Use appropriate notation to effectively plan, revise and refine a musical score.
  - Use knowledge of notation to depict, discuss and adapt rhythmic phrases and patterns.

- Science skills:**
- Identify a range of scientific evidence that has been used to support or refute ideas or arguments.
  - Link adaptations to the changes in an organism's environment and know that adaptation leads to evolution.

- Languages skills:**
- Make use of important social conventions such as formal modes of address.
  - Talk with others and express in simple terms opinion and point of view.
  - Write a range of sentences (link with French school)..

- Art skills:**
- Use and incorporate a range of design techniques inspired by nature using colours, patterns, texture, line, shape and form.
  - Talk about and evaluate a wide range of complex patterns.

- Computing skills:**
- Work independently to create a multi slide presentation that includes speaker's notes.
  - Present to a large group or class using the notes made.
  - Use advance search functions in Google (quotations).
  - Understand websites such as Wikipedia are made by users (link to E-Safety).
  - Use strategies to check the reliability of information (cross check with another source such as books).

- RE skills:**
- Use an increasingly wide religious vocabulary to explain the impact of beliefs on individuals and communities.
  - Ask and suggest answers to, questions of identity, belonging, and meaning in relation to an individual's life and that of others.
  - Discuss how similarities and differences illustrate distinctive beliefs within and between religions and can suggest possible reasons for this.

- Design Technology skills:**
- Understand the source, seasonality and characteristics of a broad range of ingredients.
  - Understand the principles of cleaning to prevent cross-contamination, chilling foods thoroughly
  - Develop and communicate ideas using annotated sketches, detailed plans, 3D and mathematical modelling, oral and digital presentations and computer-based tools.