

# Year 5 Summer 2: What a Wonderful World - Coastal Erosion

## Curriculum connections

4

### English

#### Fiction - Finding Tale

*Kensuke's Kingdom* - Michael Morpurgo

Use a range of writing tools such as 'show don't tell, personification, rhetorical questions and power of three' to build descriptive paragraphs.

Develop a character over a story arc.

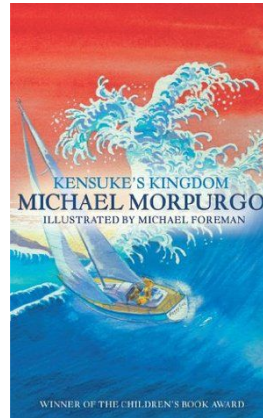
Explore different story structures including flashbacks.

#### Non Fiction - Persuasive writing

Use a range of cohesive devices to link ideas within and between paragraphs.

Identify the purpose of a piece of writing and select the appropriate form to suit the reader.

Start using the active and passive voice to achieve an intended effect.



4

### Maths

#### Position and Direction

Read and plot coordinates.

Problem solving with coordinates.

Translation with and without coordinates.

Lines of symmetry.

Reflection in horizontal and vertical lines.

#### Place Value

Add and subtract decimals across 1 and with the same/different number of places.

Multiply and divide by 10, 100, 1,000 and decimals.

Count through zero in 1s and multiples.

Order and compare negative numbers.

#### Measurement

Convert between metric and imperial units.

Convert between units of time.

Calculate with timetables.

Compare volume.

Estimate volume and capacity.

4

### Geography

#### Environment and coastal erosion

Understand the causes of global warming and what mankind is trying to do to reduce the impact.

Understand that global warming will impact people differently across the globe.

Know the key geographical features of coasts.

Understand what causes coastal erosion, longshore drift and their effect on Walton-on-the-Naze.

Understand what hard engineering has been deployed to protect UK coasts.

3

### D&T

#### Frame structures (mechanisms): Construct a moving fairground ride

Design a fairground ride to be a new attraction at Walton-on-the-Naze using simple circuits, switches and bulbs.

Draw and annotate diagrams using circuit diagrams where appropriate.

Produce detailed step-by-step plans.

Include a motor to turn ride/lights which can be switched on.

Use the micro:bits to support.

Understand the difference between series and parallel circuits.

4

5

5



# Year 5 Summer 2 - What a Wonderful World - Environment and Coastal Erosion

## Curriculum connections

### 1 Science

#### Reproduction of plants and animals

Describe the difference in the life cycle of a mammal, an amphibian, an insect and a bird.

3

Describe the life processes or reproduction in some plants and animals.

5

Describe the changes as humans develop to old age.

1

1

### RWE

#### How and why should religion communities do more to care for the Earth?

Make connections between beliefs about the earth and activist behaviour in two or more different religions.

3

Describe the teaching of two or more religions about the natural world.

5

Understand the challenges facing the planet and responses from different religions

5

Explains three or more examples of green issues,.

4

### Computing

#### Mars Rover 2

Create a pixel picture, explaining that a pixel is the smallest element of a digital image.

5

Save a JPEG as a bitmap and recognise the difference in file size.

5

Explain the 'fetch, decode, execute' cycle in relation to real-world situations.

5

Create a profile with a safe and suitable username and password and begin to use 3D design tools.

5

Understand how technology can affect health and wellbeing.

3 PE

#### Rounders -

Fielders return the ball quickly with increased accuracy.

4

Throw overarm with accuracy, over a long distance.

6

Consistently get the opposition out if they hit or miss the ball.

5

Collaborate and organise their team members.

#### Competition

Consolidate knowledge, understanding and ability to sprint effectively, individually and in a team. Develop shot putt techniques and develop an understanding of how to hurdle safely.

5 Music

#### Writing an environmental rap

Sing songs about caring for the environment.

5

Improvise rap lyrics.

Compose and edit rap lyrics.

Perform the rap with a backing track to the class.

3 4

### PSHE

#### Changing Me

Identify changes that have been and may continue to be outside of my control that I learn to accept.

5

Discuss and be more aware of self and body image.

1

Understand the influences of online and media on body image.

Describe how boys' and girls' bodies change during puberty.

Identify what I am looking forward to about becoming a teenager and understand this brings growing responsibilities.

Coping with change.

Preparing for transition.

**Character trait:** Confidence

4 Spanish

#### Los planetas

Learn about the planets and the solar system. Review key set of adjectives and apply knowledge of adjectival agreement to describe the Solar System elements. Create longer and more detailed sentences, with conjunctions and intensifiers to extend their descriptions.

5