

# 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.

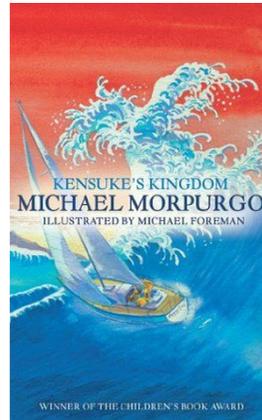
Explore different story structures including flashbacks.

#### 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

#### Place Value

Add and subtract decimals across 1.

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

Multiply by 10, 100 and 1,000.

Divide by 10, 100 and 1,000.

Multiply and divide 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.

Estimate 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.

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# 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

### RE

#### Believing

Identify the main religions in the local area, using census data.

3

Explain the difference between theist, atheist and agnostic beliefs.

5

Describe the God of Christianity.

Explore the difference between ideas of God and whether God exists.

5

Interrogate a witness.

Understand the difference between fact, belief and opinion.

Explore how Christians believe the world began.

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

#### Circus - dance

To distinguish between the different performers through clear movements and expression.

4

To perform their circus routine as part of a group.

6

#### 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

5

### Music

#### Writing an environmental rap

Sing songs about caring for the environment.

5

Improvise rap lyrics.

Compose and edit rap lyrics.

Create a backing track using technology (on Chromebooks).

3

### PSHE

#### Changing Me

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

4

Self and body image.

5

Influences of online and media on body image.

1

Be aware of my own self-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 with transition.

**Character trait:** Compassion

4

### Spanish

#### Exploración espacial

Transport children into space developing their scientific vocabulary as well as their grammar.

5

Develop their listening and detective skills, use figurative language and develop their sentence structure by adding adjectives, prepositions and making simple adjective comparison.