

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

## Curriculum connections

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### English

#### Fiction - Finding Tale

*Lalani of the Distant Sea*

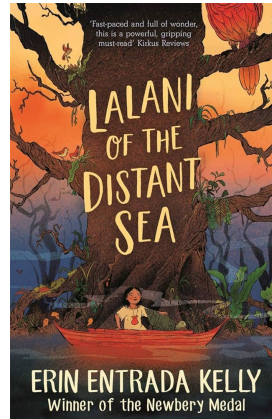
Use a range of writing tools such as 'show don't tell', relative clauses, fronted adverbials and speech with action and description and power of three' to build descriptive paragraphs.

#### Non Fiction - Persuasive writing

Use a range of cohesive devices to link ideas within and between paragraphs including subheadings, fact, rhetorical questions and emotive language. Include the active and passive voice.

#### Poetry - WaterAid poem

Use figurative language, including alliteration, personification and metaphors.



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### Maths

#### Decimals

Subtract and add decimals with the same and different number of decimal places.

Identify decimal sequences.

Multiply and divide integers and decimals by 10, 100 and 1000.

#### Negative numbers

Count through zero in 1s and multiples.

Compare and order negative numbers.

#### Measurement

Convert between metric and imperial units.

Convert units of length and time.

Compare volume and estimate capacity.

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### Geography

#### Environment and coastal erosion.

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.

Know the geographical features of coasts that are formed due to coastal erosion.

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

Compare erosion in two locations.

3

### D&T

#### Frame structures (mechanisms):

##### Construct a moving fairground ride

Research and design a fairground ride (ferris wheel) to be a new attraction at Walton on the Naze.

Draw and annotate exploded diagrams of final product.

Make a fairground ride selecting from a wide range of components and tools.

Include a motor to provide movement and/code a Microbit to display a fairground-themed message.

Evaluate the effectiveness final product.



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

## Curriculum connections

### 1 Science

#### Animals including humans / Living things and their habitats

Describe differences in life cycles between amphibians, mammals, insects and birds.

Describe the life processes of reproduction in plants and animals, including gestation periods.

Describe the changes as humans develop to old age and draw timelines to represent this.

Identify the changes that happen during puberty.

### 1 Working scientifically:

Identify scientific evidence that has been used to support or refute ideas or arguments.

### 1 RWE

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

Consider whether the Earth belongs to God, humanity or to every living thing.

Explore how Christians, Hindus, Jewish people and Muslims care for the Earth.

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

Understand the challenges facing the planet and responses from different religions.

### 4 Computing

#### Programming Scratch

Iterate ideas, testing and changing code.

Tinker with Scratch musical elements.

Create a program with themed music. Plan and program soundtrack, including a loop.

#### Online safety:

Discuss reasons for age limits on social media applications.

### 3 PE

#### Dance

Explore the social divide and prejudices that existed in the 19th century through movement and characterisation.

Create movements that represent a variety of different circus performers. Utilise props and apparatus to extend characterisation and expression.

Finalise and perform a circus routine.

#### Competition

Develop sprint technique, individually and in a team. D

Develop shot put technique and how to hurdle safely.

### 5 Music

#### Writing an environmental rap

Sing songs about caring for the environment.

Improvise rap lyrics.

Compose and edit rap lyrics.

Perform the rap with a backing track to the class.

### 3 PSHE

#### Changing Me

Be aware of self-image and how body image fits into that.

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

Understand the importance of looking after yourself physically and emotionally.

Understand what conception is and recognise what IVF is.

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

Prepare for transition.

**Character trait:** Community awareness.

### 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.