



**Jewell Academy**  
an Aspirations Academy

## Year 3: Autumn Term 1 2023

# Water Water Everywhere!

### Driving Question:

**How can we, as engineers, defend our coastline from erosion?**

### Launch:

We will be speaking with Wessex Water about their role in water conservation and Bournemouth Tourism about the dangers and benefits of building near cliffs.

### Overview:

In our new topic, we will be taking on the role of engineers, learning about the geography of Bournemouth as well as rocks and rock formations to consider how we could create effective coastal defences.



### **DT**

Create 3D structures from Lego that protect land from waves.

### **English**

Writing to entertain - descriptive writing.

### **Geography**

Explore the human and physical features of the the UK.

### **RE**

Exploring how water is important in the Hindu religion.

### Vocabulary:

Coastal  
Erosion  
Clifftops  
Tourism  
Marine  
Defence  
Conservation  
Sedimentary  
Igneous  
Metamorphic

### Learning conversations to have at home:

**Create a list of different jobs in engineering. How could different engineering jobs be important to Bournemouth?**

**Take a trip to Bournemouth Beach and look at the groynes on the beach as well as the cliff.**

*Why are the groynes in place at Bournemouth Beach and does the design of them change as you walk further down the beach? Are the groynes all made out of the same material or does this change on certain parts of the beach? Why do you think this could be?*

*How does the cliff change as you walk along the seafront? Why do the cliffs need to be protected and what could happen if they are not?*

### Topic Home learning:

Create a poster/leaflet about how we can save water.

Design a 3D model of sea defences (e.g. groynes)

Monday 2nd October 2023



### Future Careers:

We will be joined by a special visitor from Wessex Water who will share lots of examples of jobs in the water industry.

### Landing:

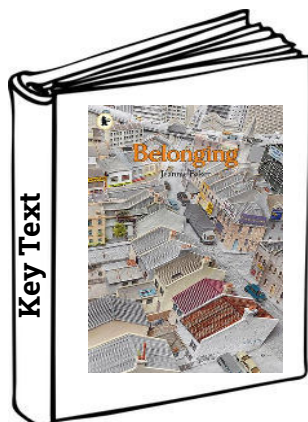
We will be putting our own model sea defences to the test where we will see how strong they are and if they would protect our beach and local area during an experiment.

## Reading

This term our key text is 'Belonging' by Jeannie Baker. Even though it has no words, we absolutely love this book! Belonging explores the re-greening of a city and the role of the community to change the environment.

What does the word belonging mean to you?

Is a book with no words still worth reading?



What is your favourite part of the story?

Which Jewell learning skills do the characters demonstrate?

## English

- ★ Narrative writing focus
- ★ Adverbs
- ★ Subordinating conjunctions
- ★ Expanded noun phrases

### How can you help at home?

- At home or out and about, encourage children to come up with different adjectives to describe what you see.
- Create sentences using [subordinating conjunctions](#) e.g. because, however

## Maths

- ★ Place Value to 1000
- ★ Adding and subtracting 1 digit and 2 digits mentally
- ★ Column method + and -

### How can you help at home?

- Encourage your child to practice their times tables for 10 mins a day on TTRockstars
- When you are out shopping ask your child to add up two numbers mentally

## Science

We will be learning about different types of rocks and how they are formed.

## Geography

We will be learning about and identifying human and physical features of the United Kingdom.

## Music

We will be learning about different types of music: Motown, R&B, Classical, Musicals and Soul.

## PSHE

We will be learning all about 'being me in my world' and setting personal challenges.

## Art

We will be learning about [Marcus Method](#) who was very popular this year with his artwork in Bournemouth.

## Computing

We will be learning how to use video editing software along with a our green screen.

## Design and Technology

We will be creating 3D structures of beach defences using construction toys.

## Physical Education

We are learning about tactics in invasion games and balances in gymnastics.

## Spanish

We will be learning greetings and questions which you may ask when you meet someone.

## Religious Education

We will be learning about the Hindu pilgrimage to the River Ganges.

## Special Events

Wessex Water Talk. Hengistbury Head visit.