

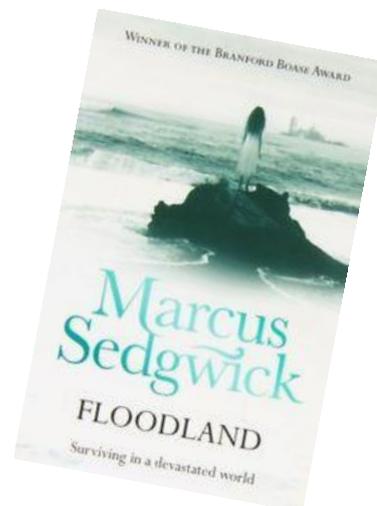
## Week Beginning - 27.04.2020

### English Challenge

'Floodland' by Marcus Sedgwick is our text for this term.

Read the opening to the novel:

Zoe ran. Harder than she had ever run in her life. Her feet pounded through the deserted streets of derelict buildings. Somewhere, not far behind, she could hear the gang coming after her. It felt as if her heart would burst, but she didn't slow down. She'd been planning to leave the island for a long time, but had been putting it off. It was a big decision to set out to sea in a tiny rowing boat. Now she had no choice.



Before, no one had bothered her. Zoe was a loner. Most of the people left on Norwich hung around together in groups. But she preferred to be on her own. It was safer that way, because you never knew whom you could trust. Somehow, someone had found out about the boat she'd been hiding. A boat was an escape route, a way to get away from Norwich, which got smaller every year, as the sea kept on rising. It didn't matter that there could only be room for two people at most in her boat. Others had joined in the chase, and now a mob of about fifteen people was hot on her heels. There was only one way out; to get to her boat before they got to her.

After you have read the extract a few times, think about what you can see in your imagination – people, places, objects or events, whatever stood out most to you. Then take a pen or pencil and a bit of scrap paper - you can use the back of an old envelope, letter or cereal packet; whatever is to hand if you don't have paper. Draw what you see in your imagination; anything that captures the place and the mood of this story opening. Remember, everyone has their own ideas and imagines things their own way. This is a good thing!

Add to your illustration any words and phrases that have helped you make your picture, which might come from the passage or from your own imagination.

## Maths Challenge

Remember a percentage is out of a hundred!

$$\frac{40}{100} \longrightarrow 0.40 \longrightarrow 40\%$$



\* Can you work out what these would be as a percentage? (Remember make sure it is out of hundred)

### Deeper Thinking 1

- a) 0.76
- b) 0.23
- c) 0.9
- d) 0.1
- e) 0.45
- f) 0.6

### Deeper Thinking 2

$$a) \frac{5}{100}$$

$$c) \frac{2}{10}$$

$$e) \frac{18}{25}$$

$$b) \frac{49}{100}$$

$$d) \frac{34}{50}$$

$$f) \frac{15}{20}$$

### Further Thinking:

Finding a percentage of a number:

#### A) 50% and 100%

- |                |                 |                 |
|----------------|-----------------|-----------------|
| 1) 50% of 14 = | 2) 50% of 60 =  | 3) 100% of 12 = |
| 4) 50% of 24 = | 5) 100% of 25 = | 6) 50% of 18 =  |

#### B) 1% and 10%

- |                |                |                 |
|----------------|----------------|-----------------|
| 1) 10% of 70 = | 2) 10% of 30 = | 3) 1% of 400 =  |
| 4) 10% of 30 = | 5) 1% of 500 = | 6) 10% of 120 = |

## Science Challenge

Have a discussion with your parents about puberty. This week you will focus on boys and next week you will focus on girls. It is important to know aspects of the opposite gender to make sure you understand what all of your friends and family members are going through.



Puberty is the time in your life when your body changes from a child to an adult. These changes are caused by chemicals in the body called **hormones**. Puberty usually starts for boys and girls between the ages of 10 and 16 (but it can be earlier) so it is important you know what to expect.

So this week, think about what happens to a boy during puberty. Try and discuss:

- Body changes
- Skin changing
- Hair growth
- Voice changing
- Body size and shape
- Emotional changes

The most important thing to remember is that puberty is normal and natural, it is nothing to be embarrassed about or even worry about.

You could start a poster to show your new knowledge and then add to it next week with your information on girls.

## Topic Challenge



Research coasts and the features of different types of coasts.

Using your facts, you could create a poster or PowerPoint to show what a coast is? Use photos and get creative.

## Curriculum Challenge – Computing

Whilst we were at school we looked at an alien database on Purple Mash. You should remember, it was a bit like each alien had a trump card.

Using paper/card can you create trump cards for your family and then organise them in different ways? You could think about:

- Hair colour
- Eye colour
- Age
- Gender
- Hobbies
- Favourite subject
- Favourite colour

You could even contact other family members or friends to ask them and add them to your family database.



1	Hair Colour	Brown ▾
2	Age	6
3	Eye Colour	Brown ▾
4	Gender	Female ▾