

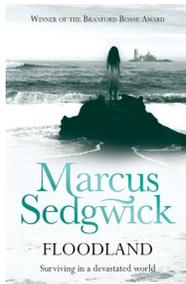


## Year 5 Spring 1

This gives you an overview of what your child will be learning in school this half term and ideas of how to support them with their learning at home.

### English

#### Key text for this half term: Floodland by Marcus Sedgwick



Writing unit 1: Explanation text  
Writing unit 2: Narrative  
Writing unit 3: Persuasive speech

Our reading week develops the following skills

Lesson 1: vocabulary and retrieval.

Lesson 2: retrieval, ordering and summarizing.

Lesson 3 and 4 inference.

Lesson 5: language and inference.

We are always focusing on developing children's fluency when reading aloud.

#### Ideas for support at home:

- Read regularly with your child. Read to them so that they can hear what good reading sounds like and get them to read aloud to you.
- Identify effective vocabulary and think of synonyms (other words which mean the same)
- Discuss how the characters are feeling and how you know.
- Discuss what characters are like and get children to identify the evidence.
- Ask them to summarise what they have read independently.

### Science

Our topic this half term is Properties and Changes of Materials.

During this topic, children will be taught to:

- compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating

#### Ideas for support at home:

- Look up some quick and easy experiments on BBC bitesize to try at home.
- Research a material and present your information and how and when it is used in an interesting way.
- Look at the way different solids float in water depending on their material and why.
- Research different kinds of solids, liquids and gases and whether you can change their states from one to another.

### Maths

#### Perimeter and Area

Measure and calculate the perimeter of 2D shapes.

Recognise squared numbers.

Understand that area can be calculated using squared numbers.

Calculate and compare the area of rectangles.

Estimate the area of irregular shapes.

#### Fractions

Identify, name and write equivalent fractions (visually represented) of a given fraction, including tenths and hundredths; understand that they have the same value and the same position in the linear number system.

Convert from improper fractions to mixed numbers and vice versa.

Order fractions with denominators that are all multiples of the same number.

Add and subtract fractions with the same denominator and denominators that are all multiples of the same number.

Multiply proper fractions and mixed numbers by whole numbers (supported by concrete resources and diagrams).

Calculate fractions of an amount.

Use fractions as operators (when fractions act as a function in a calculation) e.g. know that  $\frac{1}{4}$  of 8 means  $\frac{1}{4} \times 8$ .

#### Ideas for support at home

- Keep practicing your child's timestables up to 12 x 12 (TT Rockstars and Doodle Maths will help with this).
- Practice key facts for short bursts of time.
- Carry out practical activities e.g. cooking or using cash in shops to get children to practice their mental calculations.
- Look for perimeters of shapes and fractions in real life contexts.



#### Useful websites

Top Marks—Hit the Button  
BBC Bitesize maths

## RHE Jigsaw

### Dreams and Goals

In this Puzzle the class talk about their dreams and goals and how they might need money to help them achieve them. They look at jobs that people they know do, they look at the fact that some jobs pay more money than others and reflect on what types of jobs they might like to do when they are older. The children look at the similarities and differences between themselves (and their dreams and goals) and someone from a different culture.

Support your child at home by discussing their goals and regularly giving them opportunities to talk about any challenges.



## MFL– French

### Petit Chaperon Rouge (Little Red Riding Hood)

In this unit pupils will learn to listen carefully to be able to understand a familiar fairy tale recounted in the foreign language using picture and word cards. Pupils will be exposed to more language and be encouraged to use mind-mapping activities to support their learning. This unit links strongly to literacy skills.



## Computing

### Programming (A)

In this unit, learners will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. Learners will be introduced to a microcontroller (Crumble controller) and learn how to connect and program components (including output devices- LEDs and motors) through the application of their existing programming knowledge. Learners are introduced to conditions as a means of controlling the flow of actions and make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the if, then structure).



## RE

### Hindu, Sikh, Jewish and Muslim prayer

This unit uses a study of the practice of prayer in Hindu, Jewish and Muslim traditions to pose questions for pupils about prayer and their own needs for silence and peace. Questions about the importance of duty and ritual are used alongside questions about the emotions of prayer. Pupils explore the feelings - of peace, challenge or the presence of the divine - that Muslims, Jews and Hindus may find in prayer, making links to their own feelings. Opportunities to take note of similarities and differences between Hindu, Muslim and Jewish prayer are provided for the higher achieving pupils.

## PE

### Real PE:

In this unit, the children will develop and apply their stance and footwork through focused skill development sessions, modified/non-traditional games and sports and healthy competition.

### Real Gym:

In this unit, the children will learn, develop and apply all gym skills on the floor, with hand apparatus and on low apparatus through focused skill development, sequence creation and games.



## Music

### Make you Feel my Love—Adele

All the learning is focused around one song: Make You Feel My Love. The material presents an integrated approach to music where games, elements of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked. As well as learning to sing, play, improvise and compose with this song, children will listen and appraise other Pop Ballads.



**Special Focus** Over the half term, in addition to work in lessons, we will also be focusing on the following things.

WB. 15th January: E-Safety week - focus - Online Bullying

WB Monday 22nd January: After school clubs start this week

Thursday 1st February 10am - 12pm: E-safety workshop for year 5 and 6 parents

Friday 2nd February 2.30pm Year 5 Learning showcase for parents and carers

WB 5th February: Children's Mental Health week

Tuesday 6th February: Safer Internet Day

Friday 9th February: Children's Mental Health week - children are invited to come to school dressed in a colour to represent an emotion



Scan the QR code to log on to your class Seesaw page and share any learning you do at home with your teacher.

History, geography, art and DT are taught through a topic based approach. Information about your child's current topic will be sent home at the start of each new topic.