



Year 5 Autumn 2 Topic Web

5A – Mrs Ahmed and Mrs Akhtar

5M – Miss Mallinson

**Maths**

This half term, we will be learning multiplication and division including:

- multiplying a 4-digit number by a 2-digit number.

$$\begin{array}{r}
 124 \\
 \times 26 \\
 \hline
 744 \\
 2480 \\
 \hline
 3224 \\
 \hline
 \end{array}$$

- short division

$$\begin{array}{r}
 123 \\
 5 \overline{)615} \\
 \hline
 \end{array}$$

- solving problems involving multiplication and division

It is important that learners know all their times tables to 12 x 12 and can recall them quickly.

We will also be learning about fractions including:

- finding equivalent fractions
- converting improper fraction to mixed numbers
- comparing and ordering fractions less than and greater than 1
- adding and subtracting fractions

**English**

This half term we will be using the story *Another Twist in the Tale* by Catherine Burton which is linked to the story of *Oliver Twist*.

We will also be learning about Ernest Shackleton and his expedition to Antarctica by reading *Shackleton's Journey* by William Grill. We be writing a persuasive job advert and motivational speech.

We will be focusing on a number of grammar objectives including:

- apostrophes for possession
- simple, compound and complex sentences
- varying sentence length
- modal verbs
- adverbials
- subordination

**Reading**

As a school, we have started using a new reading scheme called Ready Steady Read Together. Each lesson follows a sequence of explore, teach, practise and apply, which is designed to enable children to activate prior knowledge and then practise and apply comprehension skills.

Year 5 will begin by looking at a poetry unit called *Wicked World* followed by the fiction text *The Goldfish Boy* by Lisa Thompson.

**Science**

This half term, we will be learning about properties and changes of materials.

**Golden Knowledge** (everyone must know and be able to explain this information)

- some materials e.g. salt will dissolve in liquid to form a solution
- how to recover a substance from a solution e.g. by heating salt water
- dissolving, mixing and changes of state are reversible changes
- some changes result in the formation of new materials and this changes are usually not reversible e.g. burning.

Your child will bring home a knowledge organiser to share the learning that will be taking place this half term.

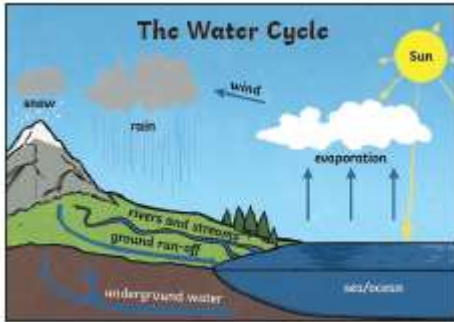
**Geography**

**PE**

This half term we are going to be learning about rivers.

**Golden Knowledge** (everyone must know and be able to explain this information)

- the key features of a river:  
upper course, middle course, lower course,  
meander and Oxbow lake
- how erosion and deposition alter a river
- the water cycle



We will be going on a trip to Nell Bank on Wednesday 26<sup>th</sup> November to learn about the features of a river. During the trip we will work on developing our fieldwork skills.

## 5M

This half term 5M will continue to go swimming every week. PE will move to Friday as they will be having rugby coaching from Batley Bulldogs.

## 5A

PE will continue to be on Tuesday and Friday for 5A, who will be learning about handball and gymnastics.

Learners should come to school in PE kit, which must be plain black jogging bottoms or leggings and a plain white t-shirt. No jewellery, including earrings and watches, can be worn for PE and if possible should be left at home on PE days. If girls wish to keep their headscarf on, it must be a tight fitting sport specific scarf for safety reasons.

## RE

Learners will continue to learn about how Sikhs symbolise their commitment to their faith through symbols and rites of passage and the differences this make to Sikhs' daily life.

Towards the end of this half term, they will learn about the importance of advent and Christmas for Christians.

## Music

In music, we will be learning about composition notation. We will be finding out:

- what happens to the pitch when the notes move up the scale
- how notes go on the line and in the spaces on a scale
- how to read simple pitch notation
- how to play a melody by reading pitch notation

## DT

In DT this half term, we will be learning about bridges including the different parts of a bridge and their functions.

We will use our knowledge to design, make and test a straw bridge for strength and stability.

## Computing

In computing we will be continuing to develop our understanding of programming using Scratch.

We will be learning to:

- predict how something might work based on our previous knowledge
- debug a script that has an error
- learn about loops and how they working in a program
- evaluate and improve a computing program

## PSHE

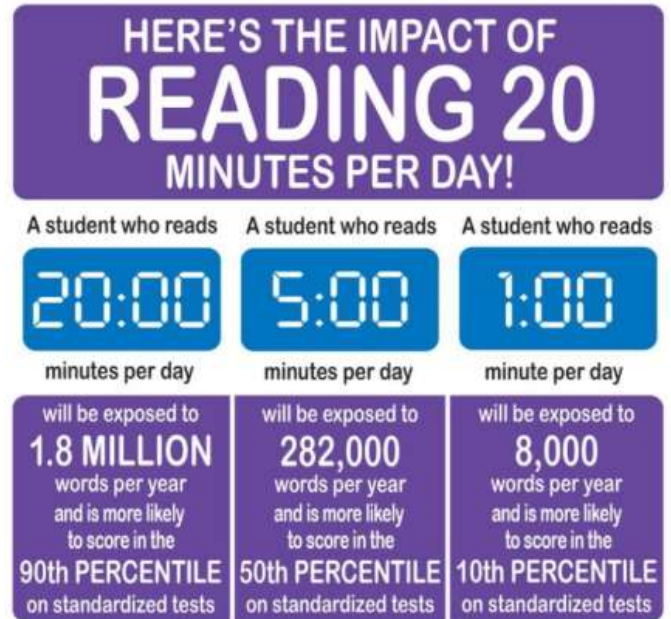
In PSHE, we will be learning about well-being. We will be learning about:

## Homework

- how being online might impact the way we feel
- how activity levels might impact the way we feel
- how school might impact the way we feel
- how drugs and alcohol can make people feel

Anti-Bullying Week takes place week commencing 10<sup>th</sup> November and the theme this year is 'Power for Good'. We will be learning how we can be a good friend and role model.

As a reminder, we expect learners to read at home for at least 10 minutes per day. Parents/carers should sign learners' reading records at least once a week.



Learners are also expected to learn and practise their weekly spellings.

They are also expected to complete at least 15 minutes per week on Times Tables Rock Stars, although we would like every learner to aim for 5 minutes per day.