

# Curriculum Information

## Year 5 Spring Term



Happy New Year! I am glad to welcome you back and I hope you all had a lovely Christmas break, managing to spend some quality time together!

During this term, Year 5 are looking forward to their Shakespeare workshop in partnership with Bingley Grammar School and an upcoming STEM workshop!

Year 5's PE days this term are **Mondays and Thursdays** so please ensure that children come in their PE kits on these days, we are due to start swimming after February half term, more information to follow.

We will continue to communicate class activities and celebrate your child's personal achievements with you via Arbor!

### Maths

#### Fractions

- Adding and subtracting fractions
- Multiplying fractions
- Finding Fractions of amounts

#### Multiplication and Division

- Using written methods.
- Multiplying 2, 3 and 4 digits by 1 digit
- Multiplying 2, 3 and 4 digits by 2 digits
- Dividing 2, 3 and 4 digits by 1 digit
- Dividing using remainders

#### Decimals and Percentages

- Converting and comparing fractions, decimals and percentages.
- Completing calculations using decimals.

We will continue to use 'Flashback 4' and our 'Daily Drilling' to recap, consolidate and further develop our four operations and previously learned work. The best way to support at home is to continue using TTRockstars to support children with their fluency.

### English

#### Spelling Strategies

- Homophones, adverbs of time, silent letters, words with ie after c, words where ei makes an ee sound.
- Spellings will be set on a Tuesday and tested on a Monday and can be accessed at home on Spelling Shed.

#### Grammar and Punctuation

- Use a variety of punctuation: , " " ( ) ! ?
- Using speech to add atmosphere and move the story along.

#### Writing Text Types

- Non-chronological report, setting description, Sci-Fi.

#### Reading

Children will read a range of fiction and non fiction texts and develop their skills in inference and retrieval.

In class, we will also be focusing on the book 'The Explorer' by Katherine Rundell and 'The Watertower' by Gary Crew.

## **Science**

This half term in Science, Year 5 will be looking at 'Materials and their Properties' where they will explore thermal and electrical conductors and insulators and conduct fair tests in investigations. They will also look at soluble and insoluble materials and investigate how to separate mixtures. They will then go on to look at 'Changes of Materials' where they will look at reversible and irreversible changes.

## **Computing**

This half term, Year 5 will be looking at selection in programming through physical computing and the use of micro:bits. They will look at inputs and outputs as well as being able to control the micro:bit to make sounds and light patterns. They will then go on to their unit on databases where they will refine their skills in organising and locating information to solve problems and present their work to others.

## **Geography**

Throughout their Rivers topic, children will learn about locations of different rivers across the UK and the world. They will also think about the physical features of rivers, how they are formed and the impact they have on the Earth and people's lives.

In their Mountains topic, children will look different mountain ranges across the world. They will learn about the physical features of mountains, different types of mountains and how contour lines are used in mapping to identify mountains.

## **Art and Design**

This half term, the children will be looking at the art work of Henri Rousseau. They will develop their skills using water colour paints whilst representing the textures and shades of the rainforest, learning how to draw a range of different animals to produce a Rousseau-inspired final piece.

In their CAD unit, the children will take part in a workshop where they will learn how to use Lego block coding software to control lights, sounds, pictures and text via Bluetooth connection to the iPads. They will also follow instructions to build a model which they programme and write algorithms for working with motion sensors. Children will also develop their skills to 'upgrade and improve' their creations. These skills will be further developed in class as the children work to program micro:bits in their own projects!

## **Music**

This term will begin with Year 5 learning the recorder! They will learn how to create clear sounds and play different notes on the recorder, all while developing their understanding of reading music and performing with expression.

The children will then look at their unit on songwriting where they will look at metaphors and lyricism to write their very own songs!

## **P.E.**

Year 5's PE days are Monday and Thursdays, please ensure that your children wear their PE kits on these days. This term the children will be focusing on developing their skills in netball, gymnastics and tennis.

After February half term, Year 5 will be starting their swimming lessons on Mondays, more information to follow!

## **PSHE**

This half term, Year 5 will be looking at keeping safe. The children will consider how to spot when someone is acting unkindly and what to do when we don't like how we are being treated. They will also look at making healthy lifestyle choices thinking about dangers and risks as well as issues such as vaping.

## **RE**

This term, Year 5 will continue their learning on 'How and Why Jewish Festivals are Celebrated?', looking at the festivals of Sukkot, Shavuot and Purim. They will then go on to look at the big question 'What Values Do People Live By?', considering how people find guidance from different religious teaching but also how we can all live a 'good' life.

## **Home Learning**

Reading - We recommend that children read at least 3 times a week for 20 minutes and ask that they are given the opportunity to talk about the text, thinking carefully about what they have read.

Spelling - Spelling challenges are available on SpellingShed each week.

TTRS—Children can practise their times tables and build their fluency using TTRockstars.

If there is anything you would like to discuss in person please let me know and we can arrange a date and time. If you have any questions please feel free to email me or catch me at pick up/drop off.