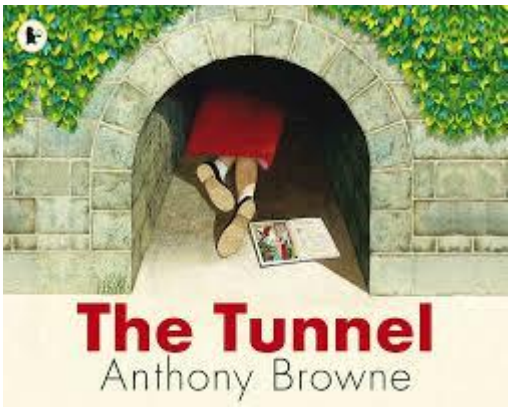
Year Five
Autumn Two

English

In writing, we will be focusing on a Talk for Writing unit that includes a change. We will look at the text The Tunnel by Anthony Browne and the children will use dialogue to convey a character toolkit to write their own story.



Our second text will be How to look after a pet dragon with a focus on instructions. Linked to the festive season, the children will create their own instructions on how to look after an elf.



Through the term, we will read a variety of texts to improve our comprehension skills focusing on different question types.

Each week we will focus on different spellings. Don't forget to log onto Spelling Frame, choose the correct spelling week and learning group then choose to either practise the spelling or take a test. All words are read aloud (make sure your sound is turned up) and provided within a sentence for context.

Mathematics

Our first unit will develop children's multiplicative reasoning. Children will begin by developing their understanding of multiples, common multiples, factors and common factors, recognising what they are and how they are found. These concepts will be closely linked to familiar and new concrete and pictorial representations to secure their understanding. Following this, children will learn about prime numbers and how they are different to composite numbers. Children will then investigate square and cube numbers, linked to their concrete understanding of the shape namesakes. Having learnt about properties of numbers, children will learn how to multiply and divide by 10, 100 and 1,000 and use this knowledge to multiply and divide by multiples of 10, 100 and 1,000.

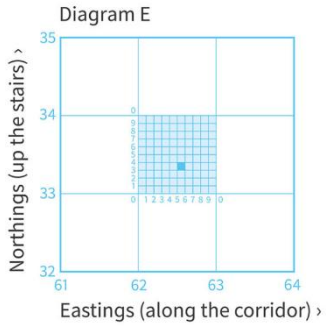
Our second unit will develop understanding of how to find equivalent fractions by simplifying and expanding, and exploring how equivalent fractions represent the same fraction differently. Children will learn how to create a family of equivalent fractions by multiplying. These skills are vital for further work later on, when children are required to find equivalent fractions in order to add and subtract fractions with different denominators. Children will learn to convert between mixed numbers and improper fractions, and how to use these in real-life contexts, using pictorial representations to demonstrate their understanding. Finally, children will use their knowledge of equivalent fractions in order to compare or order fractions.
Our next fraction unit introduces children to adding and subtracting related fractions by finding a common denominator. The particular focus is on examples where one number is a multiple of another. This is the first time children will have met such a concept and visual representations of fractions should help children grasp this fundamental topic. Children will extend their knowledge to adding and subtracting simple mixed numbers as well as proper and improper fractions. It is important that children develop their confidence and flexibility with fractions so that they are confident exploring the most efficient methods in problem solving with fractions. These skills will be key for Year 6 and beyond as children add together or subtract any two or more fractions.

Geography

In geography, we will look at mapping. By the end of our topic the children should know the following 'Fingertip Facts';

- Maps have a grid system to help locate places with accuracy. The horizontal lines that divide the map are known as eastings and the vertical lines are known as northings.
- Map scale: A map has to 'shrink' a large area of land to represent it at a much smaller size.

- A grid reference is **a location on a map, which is found using the northing and easting numbered lines**. Grid references are useful for helping a map user to find specific locations.
- Four-figure grid references are used to locate a particular grid square on a map. We use the eastings (horizontal number) first and then the northings. You can remember this by saying, 'along the corridor and up the stairs'. Along comes first.
- If you want to pinpoint a more exact place on a map, such as your own house, you will need to use a six-figure grid reference. First, find the four-figure grid reference for the square and write it down with a space after each set of numbers, like this: 62_ 33_ Now imagine this square is divided up into 100 tiny squares with 10 squares along each side. Still remembering to go along the corridor and up the stairs, work out the extra numbers you need and put them into your four-figure grid reference like this in diagram E: 625 333.



Science

In Science, we will be learning about forces. The children will look at how unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. They will identify the effects of air resistance, water resistance and friction that act between moving surfaces. Finally, the children will recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect

Art

In art, we will be completing an art through technology project. We will take a digital photograph and use software to alter it, adapt it and create a piece of pop art in the style of Andy Warhol's Marilyn Monroe inspired art.

DT

In DT, we will be design an appealing Christmas decoration. The children will select from and use a range of tools and equipment to make the product and develop their sewing skills by ensuring it is accurately assembled and well finished.

PHSE

In PHSE we will be completing the unit – Me and My Relationships. We will look at the characteristics of a healthy family life and the importance of spending time together and sharing each other's lives. The children will learn the importance of permission- seeking and giving in relationships with friends, peers and adults. We will also look at how children need to critically consider their online friendships and sources of information including awareness of the risks associated with people they have never met.

Physical Education

In PE, we will be continuing with our IMoves unit Pilates which involves performing complex moves with a focus on holding the correct posture and alignment.

RE

In R.E. we will have a focus on Christianity. We will look at the Christian religion, the beliefs and sources of wisdom and authority. Our enquiry question to answer will be 'How do Christians use the bible?'

Music

In music, we will be very busy with Christmas songs in preparation for our Christmas performance.

How can you help at home?

*Please encourage your child to participate in our Redscope Reading Challenge. We have a range of fantastic age-appropriate books which are perfect for children to read independently or to share as a family. All children should be reading for 15 minutes at least three times per week and these sessions should be logged in their planner.

*All children learn a new spelling pattern/rule each week. Please discuss the rule with your child and help them to learn the spellings that they have been given.

*In maths, please encourage your child to access Times Table Rockstars to help them to recall their table facts quickly. Your child's login details are in their planners if they are unsure of how to access it. All children should log onto TTRockstars for 30 minutes during the week or complete a paper-based TTRockstars task

*All children should complete a paper-based maths task based on the maths covered that week.

*As part of our Mapping unit in geography, all children should complete a project that they are interested in. We have discussed possibilities with the children and there is a QR code attached in their planner to take you straight to our Year 5 Home Learning page on the website.

Any children that do not complete these tasks will be asked to catch up with their learning at break times/lunchtimes.

If you do have any questions about your child's learning, please do not hesitate to contact us through the class dojo account.