

Curriculum Information Year 5 Autumn Term

Class Texts

This term half term our fiction text is Matilda. We will focus on chapter 3 and 4 using the talk for writing approach. Later in the term we will focus on Non-Chronological reports about Canals. In addition to the fiction and non-fiction text we will learn and write our own Renga poems.

In our grammar and punctuation unit we will be learning:

Common nouns, proper nouns, abstract nouns, partitive nouns and collective nouns.

Regular action verbs, irregular action verbs and phrasal verbs.

Building single clause sentences, using co-ordinating conjunctions, compound subjects and dummy subjects and gerunds.




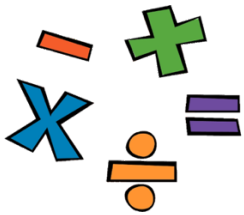
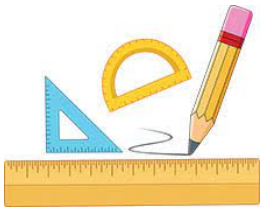
Reading

We will read and enjoy a growing repertoire of texts, both fiction and non-fiction.

The children will...

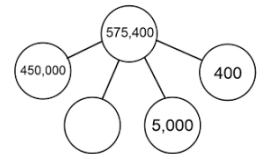
- Be familiar with some of the text types, which include modern fiction and fiction from our literary heritage.
- Recommend books they have read to their peers, giving reasons.
- Discuss and comment on themes and conventions in a variety of genres.
- Read and recite age-appropriate poetry which has been learned by heart.

<p>Writing</p>	<ul style="list-style-type: none"> • Discuss and evaluate how authors use language, including figurative language (e.g. simile, imagery) and its effect on the reader. • Make comparisons within and across texts. • Draw inferences and justify these with evidence from the text e.g. explain how a character's feelings changed and how they know this; make predictions. <p>In writing...</p> <ul style="list-style-type: none"> • Use the techniques that authors use to create characters, settings and plots. • Interweave descriptions of characters, settings and atmosphere with dialogue. • Choose effective grammar and punctuation • Ensure correct use of tenses throughout a piece of writing. • Write paragraphs that give the reader a sense of clarity and that make sense if read alone. 	
<p>RE</p>	<p>Our Lady and Saint Benedict Catholic Academy has been chosen to work alongside the Diocese and take part in the Trial of the New RE Curriculum (RED). During this time, we will be working closely with the Diocese to ensure that the New RE Curriculum supports the Teaching and Learning of RE across all Year Groups and is progressive and meets the needs of all learners. The new RE curriculum is entitled 'To Know you More Clearly'. It consists of 6 branches which are spread out over the academic year. Due to the release of the branches the children will be learning about the Liturgical Year out of sequence.</p>	

<p>Maths</p>	<p>We will continue to use the Power Maths scheme to support the mastery approach which helps pupils to develop a deep and secure knowledge and understanding of mathematics.</p> <p>During the term children will cover the following objectives...</p> <p><u>Place Value</u></p> <ul style="list-style-type: none"> • Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. • Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero. • Round any number up to 9 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000. • Solve number problems and practical problems that involve all of the above. • Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. <p><u>Addition and Subtraction</u></p> <ul style="list-style-type: none"> • Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction). • Add and subtract numbers mentally with increasingly large numbers. • Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. • Solve addition and subtraction multistep problems in contexts, deciding which operations and methods to use and why. 	 

Multiplication and Division

- Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers.
- Establish whether a number up to 100 is prime & recall prime numbers up to 19.
- Multiply and divide whole numbers and those involving decimals by 10, 100 & 1000.
- Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).
- Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.
- solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates



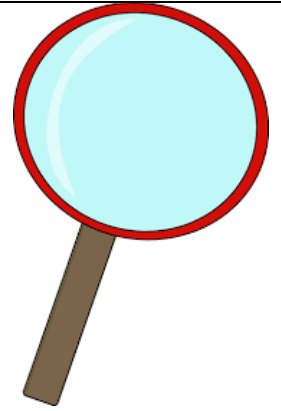
Fractions

Pupils will find equivalent fractions, convert improper fractions to mixed numbers. They will compare and order fractions less than and greater than one. Pupils will learn to add fractions and add to a mixed number. They will subtract fractions less than one and from mixed numbers. They will also learn to solve problems involving fractions.

Science

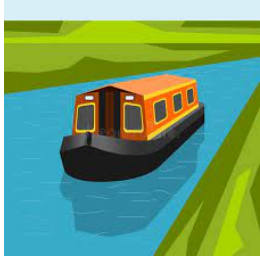


Within science this term we will focus on the properties and change of materials, carrying out a range of investigations.


- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- using test results to make predictions to set up further comparative and fair tests
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations
- identifying scientific evidence that has been used to support or refute ideas or arguments






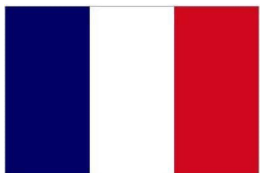
Science Knowledge...

- 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.
- know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- Demonstrate that dissolving, mixing and changes of state are reversible changes.
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on

	<p>bicarbonate of soda. Our Focus this term will be the properties and changes of materials.</p>	
<p>History</p>	<p>This term we will focus on local history and our learning will be focused around the canals and why they were so important in Stoke-On-Trent. Within this unit of work we will look at Josiah Wedgewood who James Brindley to build the canal to feed the Industrial revolution.</p> <p>Children will...</p> <ul style="list-style-type: none"> • Use sources of evidence to deduce information about the past. • Seek out and analyse a wide range of evidence in order to justify claims about the past. • Use sources of information to form testable hypotheses about the past. 	
<p>Geography</p>	<p>Within Geography we will map out a journey from Stoke-On-Trent to the Lake District, the children will then make comparisons between the Lake District and Stoke-On-Trent.</p> <p>Children will...</p> <ul style="list-style-type: none"> • Identify the start and end point of the journey and use maps to plan the journey. • Investigate the human and physical features during the journey. • Investigate communities that may be passed through on the journey. 	
<p>Music</p>	<p><u>In music lessons this term our two units are called Melody and Harmony in Music and Sing and Play in Different Styles were we will learn the following:</u></p> <p>Understand staff and other musical notations.</p>	

	<p>Listen with attention to detail and recall sounds with increasing aural memory.</p> <p>Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.</p> <p>Improvise and compose music for a range of purposes, using the interrelated dimensions of music.</p> <p>Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.</p>	
<p>Computing</p>	<p>In computing this term we will be focusing on quizzing data bases, game creation and online safety.</p> <p><u>Children will...</u></p> <p>Create a quiz on a chosen topic, including a title screen, a variety of question types, and various types of content screens. They demonstrate logical organisation of content and can debug their quiz to resolve errors, ensuring it functions as intended.</p> <p>Pupils will also develop their understanding of what a database is and recognise how it differs from a binary database. They can give examples of everyday practical uses of databases including single and multiple table databases. Children are able to set up a database selecting appropriate data types for fields and apply some constraints such as 'has choices.' They are able to enter data to create records and edit data within records. Children understand the function of sort, filter, group and calculate query tools. They are able to create queries including some that use the AND, OR operator between conditions. Children are aware of what linked tables means and can copy examples to try out</p>	

	<p>in their queries. They will use the Report tool to help them produce notes or letters by inserting appropriate data fields.</p> <p>Additionally, pupils will complete games using key features of 2DIY3D. They include baddie and collectable sprites, use basic customisation, and write clear instructions. Sprite placement supports gameplay, and games are usually well structured. Children can evaluate their own work and give basic peer feedback. Children work with some independence and respond well to feedback. Occasional prompting helps deepen their evaluations and improve design choices. Children's progress reflects secure understanding and increasing confidence with game creation.</p>	
PE	<p>Our PE lessons will take place on a Tuesday morning and a Thursday afternoon. This term we will focus on Health-Related Exercise which will develop pupil's ability to exercise at different intensities. Pupils will also learn about how the food and drink we consume, and exercise we complete affects our body.</p>	
Art	<p>Within Art this term we will be focusing on the work of the artists Sarah Biffin and Noor Bahjat. We will then practice the skills and apply this to creating our own version inspired by their art.</p> <p>Children will...</p> <ul style="list-style-type: none"> • experiment with shading to create mood and feeling • know how to successfully use shading to create mood and feeling • know how to draw objects and use marks and lines to produce texture • research the work of an artist & use their work to replicate a style • Use sketchbook to record observations. 	

<p>Design and Technology</p>	<p>Our focus for this half term for Design and Technology will be food and nutrition. We will investigate a local recipe that originated from the Peak District.</p> <p>Children will..</p> <ul style="list-style-type: none"> • Design with the user in mind, motivated by the service a product will offer (rather than simply for profit) • Use prototypes, cross-sectional diagrams and computer aided designs to represent designs. • Show how to be hygienic and safe in the kitchen. • Combine elements of design from a range of inspirational designers throughout history, giving reasons for choices. • Create innovative designs that improve upon existing products. • Evaluate the design of products so as to suggest improvements to the user experience. • Show how to be hygienic and safe in the kitchen • Understand and apply the principles of a healthy and varied diet • understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed • Measure accurately and calculate ratios of ingredients to scale up or down from a recipe. 	
<p>French</p>	<p>Pupils will revise noun gender, using the correct article to go with nouns, making adjectives agree with the noun they describe and sentence constructions, placing the adjectives in the correct place. They will also use figurative language, developing sentence structure by adding adjectives, using prepositions and making simple adjectival comparisons.</p>	

PSHE

Children will...

- Know how the brain works.
- Understand mindful awareness and practice mindful actions such as mindful listening and tasting.
- Complete a study for Black History Month.
- Understand that they are created and loved by God.

