

Curriculum Information - Year 6 - Autumn Term

Class Texts

English

Reading and Writing

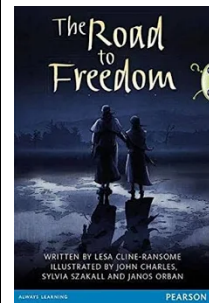
Grammarsaurus Place Value of Punctuation/Grammar

- Children will learn the key punctuation and grammar needed to successfully write at the year 6 level.

The Road to Freedom

Key objectives:

- Retrieving facts from the text and selecting evidence
- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- predicting what might happen from details stated and implied
- identifying main ideas drawn from more than 1 paragraph and summarising these
- identifying how language, structure, and presentation contribute to meaning.
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RE

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.





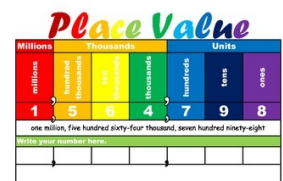
Maths

Place Value

- Children will recognise, read and be able to say whole numbers up to 10,000,000.
- Recognise the place value of any digit in a whole number up to 10,000,000.
- Order and compare whole numbers up to 10,000,000.
- Round any whole number to a required degree of accuracy.
- Use negative numbers in context and calculate intervals across 0.

Four Operations:

- Children will be able to solve addition and subtraction multi-step problems in contexts deciding which operations and methods to use and why.
- Multiply multi-digit numbers up to 4 digits by a 2 digit whole number using the written method of long multiplication.
- Divide numbers up to 4 digits by a 2 digit number using the formal written method of short division and where appropriate, interpreting remainders according to context.
- Divide numbers up to 4 digits by a 2 digit number using the formal written method of **long division** and where appropriate, interpreting remainders as whole numbers, fractions, or by rounding as appropriate according to context.
- Identify common factors, common multiples and prime numbers.
- Recognise and use square numbers and cube numbers using the correct notation.
- Use their knowledge of the order of operations to carry out calculations involving the four operations.
- Perform mental calculations, including with mixed operations and large numbers.



- Solve problems involving addition, subtraction, multiplication and division.

Fractions:

- **Recap of missed summer learning from year 5 with year 6 learning below.**
- Use common factors to simplify fractions and use common multiples to express fractions in the same denomination.
- Compare and order fractions, including fractions greater than 1.
- Add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions.
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
- Multiply simple pairs of proper fractions, writing the answer in its simplest form.
- Divide proper fractions by whole numbers.
- Calculate fractions of amounts.
- Solve problems involving the above.
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Imperial and Metric:

- convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).
- understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.



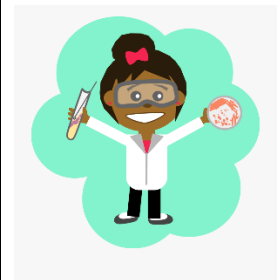
Science


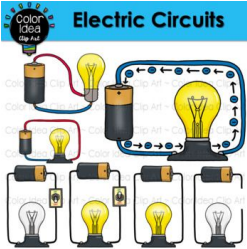

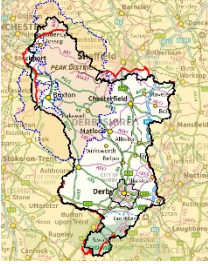

Working Scientifically:

- Children will plan and carry out a range of scientific enquiries to develop their working scientifically skills.
- Children will learn how to make scientific predictions, plan and record scientific enquiries and how to write conclusions.

Light:

- Children will learn about how light travels and how it enables us to see.



	<ul style="list-style-type: none"> Children will learn about how shadows are formed and will investigate why shadows have the shapes they do. <p><u>Electricity:</u></p> <ul style="list-style-type: none"> Children will deepen their knowledge of how circuits work including how the number of cells in a circuit affects the brightness of a lamp. Children will be able to give reasons for variations in how components function. Children will use recognised circuit symbols to draw a simple circuit diagram. 	 
<p>History</p>	<p><u>Local History of mining in Stoke-on-Trent.</u></p> <ul style="list-style-type: none"> Children will learn about how our local area has changed and why mining was once important in Stoke-on-Trent. Children will use a range of sources to draw conclusions about what life was like as a miner in Stoke-on-Trent and why the industry has declined. Children will assess the reliability of primary and secondary sources they use throughout. 	
<p>Geography</p>	<p><u>Local Geography of the Peak District:</u></p> <ul style="list-style-type: none"> Through our study of the Peak District children will learn to read map symbols, keys, the compass rose and 4-6 figure grid references. Use maps and atlases to locate countries and describe features studied. Describe and understand key aspects of physical geography and human geography of the Peak District. 	
<p>Music</p>	<p><u>Topics of study for Autumn 1 and 2 include:</u></p> <ul style="list-style-type: none"> Beginner Keyboard Course Developing Ensemble Skills 	
<p>Computing</p>	<p><u>Networks</u></p> <ul style="list-style-type: none"> Children will revise risks online and the steps they can take to protect themselves. Children will deepen their knowledge about digital footprints. Children will know about the consequences of promoting inappropriate content online and how to 	

put a stop to such behaviour when they witness it or experience it online.

- Children will learn about the positive and negative effects of screen time.



Graphing

- To create comparative bar charts using graphing software.
- To create pie charts using graphing software.
- To create line graphs using graphing software.
- To present data in graphs to support an argument.



Blogging

- To understand blogs and their features.
- To plan the theme, content and structure for a blog post.
- To write and style a blog post.
- To review and comment on blog posts with an understanding of online safety.




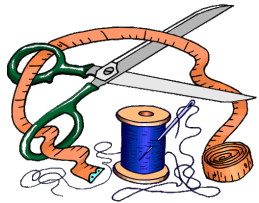
Data Detectives

PE

Football/Swimming & Dance

- Children will develop their control of the ball.
- Children will develop their ability to dribble with the ball.
- Children will develop their control of the ball and ability to pass the ball to teammates.
- Children will develop their ability to shoot effectively
- Children will develop their ability to stop and move the football with their feet.
- Children will develop their ability to move the football using their chest & head.
- Children will develop their ability to defend as an individual and to lose a marker/mark an attacker.
- Children will learn to move to a beat



	<ul style="list-style-type: none"> • Children will learn sequences to dances and perform them in small groups and as a whole class 	
Art	<p><u>Local Artists: Sid Kirkham & Arthur Berry</u></p> <ul style="list-style-type: none"> • Through the study of local artists Sid Kirkham & Arthur Berry, children will develop their use of the full range of pencils, charcoal and pastels when creating observational art. • Children will explain the style of their work and how it has been influenced by a famous artist including why they have chosen specific techniques. • Children will learn how to use feedback to make adjustments and improvements to their art. 	
Design and Technology	<p><u>Textiles:</u></p> <ul style="list-style-type: none"> • Children will develop their ability to pin and tack fabric pieces and join fabrics by sewing a range of stitches to create a patchwork quilt. • Children will design their patchwork quilt to celebrate difference and refine their work and techniques as the work progresses. • Children will evaluate their own work and continually improve upon existing designs. 	
PSHE	<ul style="list-style-type: none"> • Through Mind up children will deepen their understanding of parts of the brain, mindful breathing and mindful actions. • Through the RSE 10:10 scheme, children will follow Kester's adventures and learn about some of the changes that take place during puberty. 	