



Brabyns Preparatory School

Year 5 Termly Overview, Autumn 2017

English Autumn 2017

The children will be listening to, discussing, reading and writing the following text types:

- Fiction – Science Fiction texts
- Non-Fiction – Persuasive/Discussion texts
- Poetry – Choral/Performance poetry. Creating images, using simile and metaphor.

Within the above text types, the children will be covering the following topics:

- Use of relative clauses beginning with *who, which, where, when, whose, that*
- Use of commas to clarify meaning, avoid ambiguity and indicate parenthesis
- Use of adverbials of time, place and number to link ideas across paragraphs
- Use of modal verbs and adverbs to indicate possibility

Handwriting will be practised to assist the children to write legibly, fluently and with increasing speed.

Spelling/Word work will include the following:

- Year 4 spelling review
- Words with letter string 'ough'
- Word endings – cious, tious, cial, tial
- Homophones
- Double consonants
- Unstressed vowels and consonants
- Dictionary work
- Proof reading
- Year 5/6 word list
- Personal words
- Extend and apply knowledge of spelling strategies.

It is expected that the children will be reading widely and frequently, outside as well as in school, for pleasure and information. They should be able to read silently and discuss what they have read.

Mathematics

Number and place value

- 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
- round any number up to 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

Multiplication and division

- multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Fractions (including decimals and percentages)

- read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- round decimals with two decimal places to the nearest whole number and to one decimal place
- read, write, order and compare numbers with up to three decimal places
- solve problems involving number up to three decimal places

Measurement

- convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
- solve problems involving converting between units of time.

Addition and subtraction

- 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 multi-step problems in contexts, deciding which operations and methods to use and why

Measurement

- use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation including scaling

Statistics

- solve comparison, sum and difference problems using information presented in a line graph
- complete, read and interpret information in tables including timetables.

Multiplication and division

- identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
- multiply numbers up to 4 digits by a one-digit number using a formal written method
- multiply and divide numbers mentally drawing upon known facts
- divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- solve problems involving multiplication and division including using their knowledge of factors and multiples
- solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

Geometry: properties of shapes

- identify 3-D shapes, including cubes and other cuboids, from 2-D representations
- know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles
- draw given angles, and measure them in degrees ($^{\circ}$)
- identify:
 - angles at a point and one whole turn (total 360°)
 - angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°)
 - other multiples of 90°
- use the properties of rectangles to deduce related facts and find missing lengths and angles
- distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Number and place value

- interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero
- read Roman numerals to 1000 (M) and recognise years written in Roman numerals

est. 1899

<p>Computing:</p> <ul style="list-style-type: none"> • Microsoft Office to support the curriculum - Word/Publisher • E-safety • Coding 	<p>Art & Design: Landscapes Focus: the work of L S Lowry</p>
<p>PE: <i>with Specialists Mr Sanders, Mr Kenan & Mrs Kendall</i></p> <ul style="list-style-type: none"> • Rugby – Autumn 1 • Dance – Autumn 2 • Games – developing skills and tactics in various sports, including Football & High-5 • Swimming – <i>with Pool Swimming Instructors</i> 	<p>Design & Technology: Food technology: Designing biscuits</p>
<p>Music & Drama: <i>with Specialist Mr Westall</i></p> <ul style="list-style-type: none"> • Singing assessment • Bentley test parts 1, 2 & 4 • Breathing exercises and vocal warm-ups • Sing scale songs • Sing more complex rounds • Learn all rhythms with flashcards • Learn song for the Christmas Concert • Act out and explore through role play selected Greek Myths. 	<p>Geography: North America</p>
<p>Spanish: <i>with Specialist Mr Infante</i></p> <ul style="list-style-type: none"> • Healthy Eating • Directions and Places • Bonfire and Christmas Activities 	<p>History: Ancient Greeks</p>
	<p>Science: <i>with specialist Mrs Neill</i> Living things and their habitats Forces (friction and air resistance)</p>
	<p>RE: Belief in our community (Christian focus)</p>