

## The Year 5 Curriculum Statement for Autumn 2016

The following information is to give you an outline of some of the work your child will be covering during this term. We hope you will actively encourage your child in the work being undertaken so that learning can be both pleasurable and rewarding.

The skills and concepts on which we will be concentrating are:-

English	<p><u>Power of Reading</u> During the last year children have loved the different reading books we have studied and we will continue to use them this academic year.</p> <p>Our aim is to expose the children to quality texts to engage them and develop their love of reading and writing.</p>	<p><u>Texts:</u> ZOOM – Picture book (Week 1) Stormbreaker</p> <p><u>Genres:</u> Narrative Persuasive Newspapers Poetry</p>
	<p><u>Grammar</u> Using cohesive devices to link paragraphs Use of higher level punctuation to mark boundaries between independent clauses</p> <p>Terminology e.g. subject/object, passive/active synonym/antonym</p>	
	<p><u>Handwriting</u> To practise writing legibly, fluently and with increasing speed by joining letters correctly. They will follow our cursive script handwriting scheme and will practise fluency, proportion and presentation.</p>	<p><u>Spelling</u> Revision of Year 4/5 High frequency words High Frequency/Topic words Commonly misspelt words</p> <p>Words ending in —ant, -ent and other related endings from the root word Words ending in able/ably ible/ibly</p>
<b>Mathematics</b>		
Number and place values	<ul style="list-style-type: none"> <li>• Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit</li> <li>• Count forwards or backwards in steps of powers of 10 from any given number up to 1 000 000</li> <li>• Round any number up to 1 000 000 to the nearest 10, 100 and 1000</li> <li>• Solve number problems and practical problems that involve number, place value and rounding</li> </ul>	
Addition and subtraction	<ul style="list-style-type: none"> <li>• Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)</li> <li>• Add and subtract numbers mentally with increasingly large numbers.</li> </ul>	

	<ul style="list-style-type: none"> <li>• Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</li> <li>• Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</li> </ul>
Multiplication and division	<ul style="list-style-type: none"> <li>• <i>Continue to practise and apply multiplication tables and related division facts, committing them to memory and using them confidently to make larger calculations</i></li> <li>• Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers</li> <li>• Know and use the vocabulary of prime numbers and composite (non-prime) numbers</li> <li>• Establish whether a number up to 100 is prime and recall prime numbers up to 19</li> <li>• Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</li> <li>• Multiply and divide numbers mentally drawing upon known facts.</li> <li>• Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</li> <li>• Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</li> </ul>
Fractions including decimals and percentages.	<ul style="list-style-type: none"> <li>• <i>Know that percentages, decimals and fractions are different ways of expressing proportions.</i></li> <li>• <i>Count forwards and backwards in fractions and decimals bridging zero</i></li> <li>• Compare and order fractions whose denominators are all multiples of the same number.</li> <li>• Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths <i>making links to decimals and measures.</i></li> <li>• Read and write decimal numbers as fractions.</li> <li>• <i>Mentally add and subtract.</i></li> <li>• Recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”, and write percentages as a fraction with denominator hundred, and as a decimal fraction.</li> <li>• <i>Recognise that percentages are proportions of quantities.</i></li> </ul>
Measurement	<ul style="list-style-type: none"> <li>• Convert between different units of measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).</li> <li>• Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</li> <li>• Calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm<sup>2</sup>) and square metres (m<sup>2</sup>) and estimate the area of irregular shapes</li> <li>• Use all four operations to solve problems involving measure (<i>e.g. length, mass, volume, money</i>) using decimal notation including scaling</li> </ul>
Properties of shape.	<ul style="list-style-type: none"> <li>• Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.</li> <li>• <i>Draw lines accurately to the nearest millimetre and use conventional markings for parallel lines and right angles.</i></li> </ul>

	<ul style="list-style-type: none"> <li>• Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles</li> <li>• Use the properties of rectangles to deduce related facts and find missing lengths and angles.</li> </ul>
Position and direction.	<ul style="list-style-type: none"> <li>• Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</li> </ul>
Use and interpret data.	<ul style="list-style-type: none"> <li>• Complete, read and interpret information in tables, including timetables.</li> </ul>
Science	Electricity and Evolution and Inheritance
Computing	We are app designers We are game developers
Geography	Water Cycle and Rivers
D&T	Burglar Alarms
Music	Pulse and Voice
PSHCE	Devising a class charter Understanding democracy Environmental awareness and responsibility Climate change Sustainability issues Justice Keeping safe Anti-bullying
French	Animals and pets
PE	Invasion games

Visits for this term:

Location	Date	Approx. Cost
Plas Caraedon (Wales) Residential	24 <sup>th</sup> – 28 <sup>th</sup> October 2016	£250.00