

# Year 5 Maths Curriculum Medium Term Plan (Learning Objectives)- Summer Term 2018

Whole School Theme: <b>The World Around Us</b> / Year Group Theme: <b>The 3 'R's'</b>	
Values	Thankfulness/Friendship
Learning Skills	-Curiosity -Communication -Teamwork -Determination -Confidence -Independence -Focus -Aspiration
Curriculum Drivers	<b>Knowledge of the world-</b> Who am I? What is my locality? How do I fit in with the wider world? <b>Possibilities-</b> How can I 'Be the Best I can Be?' How can I make the most of my opportunities? <b>Community-</b> How can I take responsibility for my school and local community? How does my community compare with others? How can I help others?
Blocked Learning	<p><b><u>Geometry – Properties of Shape</u></b></p> <ul style="list-style-type: none"> <li>• identify 3-D shapes, including cubes and other cuboids, from 2-D representation</li> <li>• know angles are measures in degrees: estimate and compare acute, obtuse and reflex angles</li> <li>• draw given angles, and measure them in degrees (°)</li> <li>• identify:</li> <li>• draw given angles, and measure them in degrees (°)</li> <li>• identify:             <ul style="list-style-type: none"> <li>○ angles at a point and one whole turn (total 360°)</li> <li>○ angles at a point on a straight line and ½ a turn (total 180°)</li> <li>○ other multiples of 90°</li> </ul> </li> <li>• use the properties of rectangles to deduce related facts and find missing lengths and angles</li> <li>• distinguish between regular and irregular polygons based on reasoning about equal sides and angles.</li> </ul> <p style="text-align: center;">(5 weeks plus 1 assessment week)</p>
Ongoing	<p><b><u>Addition and Subtraction</u></b></p> <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> <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>
	<p><b><u>Measurement</u></b></p> <ul style="list-style-type: none"> <li>• understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints</li> <li>• estimate volume [for example, using 1 cm<sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water]</li> <li>• solve problems involving converting between units of time (3 weeks)</li> </ul> <p><b><u>Geometry – position and direction</u></b></p> <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 (2 weeks)</li> </ul> <p><b><u>Statistics</u></b></p> <ul style="list-style-type: none"> <li>• Solve comparison, sum and difference problems using information presented in a line graph</li> <li>• Complete, read and interpret information in tables, including timetables (1 weeks)</li> </ul> <p>Spare week to take in trips/sports day</p>
	<p><b><u>Fractions (including decimals and percentages)</u></b></p> <ul style="list-style-type: none"> <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</li> <li>• recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements &gt;1 as a mixed number [for example, <math>\frac{7}{5} + \frac{4}{5} = \frac{11}{5} = 1\frac{1}{5}</math>]</li> <li>• add and subtract fractions with the same denominator and denominators that are multiples of the same number</li> <li>• multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</li> </ul> <p><b><u>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <li>• solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes</li> <li>• solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</li> <li>• solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates</li> </ul>