

# Year 4 Maths Curriculum Medium Term Plan (Learning Objectives)- Autumn Term 2017

Whole School theme: <b>Stories</b> / Year group Theme: <b>Iron Man</b>	
Values	Hope
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b><u>Number and Place Value</u></b></p> <ul style="list-style-type: none"> <li>find 1000 more or less than a given number</li> <li>count backwards through zero to include negative numbers</li> <li>recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones - deeper up to 10,000)</li> <li>order and compare numbers beyond 1000</li> <li>identify, represent and estimate numbers using different representations</li> <li>round any number to the nearest 10, 100 or 1000</li> <li>solve number and practical problems that involve all of the above and with increasingly large positive numbers</li> </ul> <p>(3 weeks)</p> <p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</li> <li>estimate and use inverse operations to check answers to a calculation</li> <li>solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</li> </ul> <p>(3 weeks)</p> <p><b>1 week for assessment</b></p> <p><b>Fridays</b> Questions about the unit            1 separate x table            1 mental</p> </div> <div style="width: 48%;"> <p><b><u>Multiplication and division</u></b></p> <ul style="list-style-type: none"> <li>Count in multiples of 6, 7, 9, 25 and 1000</li> <li>recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> <li>use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers, recognise and use factor pairs and commutativity in mental calculations</li> <li>multiply two-digit and three-digit numbers by a one-digit number using formal written layout</li> <li>solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</li> </ul> <p>(4 weeks)</p> <p><b><u>Shape</u></b></p> <ul style="list-style-type: none"> <li>compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</li> <li>identify acute and obtuse angles and compare and order angles up to two right angles by size</li> <li>identify lines of symmetry in 2-D shapes presented in different orientations</li> <li>complete a simple symmetric figure with respect to a specific line of symmetry.</li> </ul> <p>(4 weeks)</p> </div> </div>
Ongoing	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <ul style="list-style-type: none"> <li>count in multiples of 6, 7, 9, 25 and 1000</li> <li>recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> </ul> </div> <div style="width: 48%;"> <ul style="list-style-type: none"> <li>count in multiples of 6, 7, 9, 25 and 1000</li> <li>recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> </ul> </div> </div>