

# Year 3 Maths Curriculum Medium Term Plan (Learning Objectives)- Spring Term 2017

Whole School Theme: Present, Past and Future / Year Group Theme: Space Invaders	
Values	Bravery/Forgiveness
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>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <li>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</li> <li>solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects</li> </ul> <p>(3 weeks)</p> <p><b><u>Measurement</u></b></p> <ul style="list-style-type: none"> <li>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</li> <li>estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight</li> <li>know the number of seconds in a minute and the number of days in each month, year and leap year</li> <li>compare durations of events [for example to calculate the time taken by particular events or tasks]. (3 weeks)</li> </ul> <p><b><u>Fractions</u></b></p> <ul style="list-style-type: none"> <li>count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10</li> <li>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</li> <li>recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (2 weeks)</li> </ul> <p><b><u>Fractions</u></b></p> <ul style="list-style-type: none"> <li>recognise and show, using diagrams, equivalent fractions with small denominators</li> <li>add and subtract fractions with the same denominator within one whole [for example, <math>\frac{5}{7} + \frac{1}{7} = \frac{6}{7}</math>]</li> <li>compare and order unit fractions with the same denominator</li> <li>solve problems that involve all of the above.</li> </ul> <p>(3 Weeks)</p>
Ongoing	<p><b><u>Number and Place Value</u></b></p> <ul style="list-style-type: none"> <li>recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</li> </ul> <p><b><u>Addition and Subtraction</u></b></p> <p>add and subtract numbers mentally, including:</p> <ol style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds</li> </ol> <p><b><u>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> </ul> <p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers mentally, including:             <ol style="list-style-type: none"> <li>a three-digit number and ones</li> <li>a three-digit number and tens</li> <li>a three-digit number and hundreds</li> </ol> </li> <li>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> </ul> <p><b><u>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> <li>write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods</li> <li>solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.</li> </ul>