

Year 3 Fundamentals of Mathematics	
<p>Number</p> <p>Place value</p> <p>+ - X ÷</p> <p>FDP</p> <p>RP</p> <p>Algebra</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 2px solid blue; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Place value</p> <p>* Recognises the place value of each digit in a three digit number.</p> <p>* Reads, writes, compares & orders numbers to 1000 (numerals & words)</p> </div> <div style="border: 2px solid cyan; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">+ -</p> <p>* + - 1s, 10s, 100s mentally to 3digit numbers.</p> <p>* + - numbers up to 3 digits with regrouping using the column method.</p> </div> <div style="border: 2px solid purple; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">X ÷</p> <p>* Identifies factor pairs using 2, 3, 4, 5, 8 and 10 times tables. (deriving ÷ facts)</p> <p>* X 2digit x 1 digit using short method for division and multiplication.</p> </div> <div style="border: 2px solid darkblue; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">FDP</p> <p>* + & - both unit and non unit fractions of amounts within a whole.</p> <p>* Counts in 10ths and recognises that 10ths arise by ÷ 1 digit numbers by 10.</p> </div> <div style="border: 2px solid purple; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Counting (forwards and backwards)</p> <p>* Counts from 0 in multiples of 4, 8, 50 and 100.</p> <p>* + - 10, 100 to any given number.</p> </div> </div>
<p>Shape/space/measure</p> <p>Measurement</p> <p>Time/money</p> <p>Shape</p> <p>Position/direction</p> <p>Statistics</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 2px solid lightgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Measurement</p> <p>* Measures and compares lengths (m,cm,mm), mass (kg,g) and volume/capacity (l,ml) and calculates perimeter.</p> </div> <div style="border: 2px solid green; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Money/Time</p> <p>* Adds and subtract amounts of money to give change and reads time to the nearest minute.</p> </div> <div style="border: 2px solid teal; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Geometry- shape</p> <p>* Identifies horizontal and vertical lines and pairs of perpendicular and parallel lines.</p> </div> <div style="border: 2px solid darkgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Position direction</p> <p>* Identifies acute, obtuse and right angles and links turns to right angles i.e. 1/2 turn is 2 right angle turns.</p> </div> <div style="border: 2px solid lightgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Statistics</p> <p>* Interprets and presents data using scaled bar charts, pictograms and tables.</p> </div> </div>
<p>Being a Mathematician</p> <p>(see exemplars for specific year group)</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 2px solid orange; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Reasoning</p> <p>*Describes, convinces & justifies decisions following lines of enquiry & generalising.</p> </div> <div style="border: 2px solid yellow; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Problem solving</p> <p>*Works systematically & spots patterns by visualising & making conjectures.</p> </div> <div style="border: 2px solid yellowgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Fluency</p> <p>*Works efficiently and accurately.</p> </div> <div style="border: 2px solid orange; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Communication</p> <p>*Makes their mathematical thinking clear to themselves and others.</p> </div> <div style="border: 2px solid orange; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Reflection</p> <p>*Uses own and suggested strategies to make corrections and improvements.</p> </div> </div>