

## Maths overview KS3 2017/18

	Autumn	Spring	Summer
<b>Maths group 1:CG</b>	<ul style="list-style-type: none"> <li>• Place value</li> <li>• 2d/3d shapes</li> <li>• Column addition</li> <li>• 2 digit subtraction</li> <li>• Problem solving</li> <li>• Data identification</li> <li>• Ordering numbers</li> <li>• Measuring items with different tools</li> <li>• Multiplication involving 2,3,4 times table</li> </ul>	<ul style="list-style-type: none"> <li>• Units, ones, tens, hundreds</li> <li>• Understanding tenths</li> <li>• Know that there are the numbers 1-12 on a clock</li> <li>• Understand hours, minutes seconds</li> <li>• Interpret data</li> <li>• Changing the orientation of shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and use fractions including <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{1}{6}</math> and <math>\frac{1}{3}</math></li> <li>• Estimate the length of time different activities/events</li> <li>• Understand the difference between vertical and horizontal</li> <li>• Solve 2 step word problems</li> <li>• Use pictograms</li> <li>• Measure the volume of liquids</li> <li>• Greater/Less than</li> </ul>
<b>Mats Group 2: KT</b>	<ul style="list-style-type: none"> <li>• Place Value and ordering</li> <li>• 3 and 4 digit addition</li> <li>• Doubling numbers</li> <li>• Column subtraction</li> <li>• Properties of 2d shapes</li> <li>• Measuring length</li> <li>• Multiplication facts</li> <li>• Finding Fractions</li> <li>• Real Life Problems</li> <li>• Tally charts and pictograms</li> </ul>	<ul style="list-style-type: none"> <li>• Counting on and back in multiples of 10 and 100</li> <li>• Recalling multiplication facts</li> <li>• Division</li> <li>• Measuring perimeters of shapes</li> <li>• Long multiplication</li> <li>• Time</li> <li>• Identifying different angles: Right, acute and obtuse</li> </ul>	<ul style="list-style-type: none"> <li>• Money: converting money, adding money, finding change.</li> <li>• Negative numbers</li> <li>• Fractions: finding 10ths, equivalent fractions, ordering and comparing</li> <li>• Decimals</li> <li>• Weight</li> <li>• Symmetry</li> <li>• Interpreting data</li> <li>• Mental addition and subtraction.</li> </ul>
<b>Maths Group 3: LC</b>	<ul style="list-style-type: none"> <li>• Number</li> <li>• BODMAS</li> <li>• Algebra – introduction, combining like terms, Equations &amp; Expressions</li> <li>• Using direct proportion to problem solve</li> <li>• Mixed numbers – converting between mixed numbers and improper fractions</li> <li>• Measurement/Temperature</li> <li>• Multiplying and dividing by numbers between 0 and 1</li> <li>• Statistics - Constructs a line graph comparing two variables</li> </ul>	<ul style="list-style-type: none"> <li>• Multiplying fractions</li> <li>• Problem solving</li> <li>• Ratio</li> <li>• Direct proportion</li> <li>• Mixed numbers – converting between mixed numbers and improper fractions,</li> <li>• Measurement and temperature</li> <li>• Multiplying and dividing by numbers between 0 and 1</li> <li>• Statistics - Constructs a line graph comparing two variables</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment</li> <li>• Multiplying Decimals by decimals and whole numbers</li> <li>• Angles; straight and split lines</li> <li>• Angles; around a point, identifying missing values</li> <li>• Negative numbers; rules of signs</li> <li>• Pythagoras Theorem; properties of triangles</li> </ul>