

## Year 7 Mathematics Curriculum Map 2017/2018

Year 7	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
<b>Year 7 Topics – <math>\delta</math> (Delta)</b>						
<b>Textbook – KS3 Maths Progress <math>\delta</math> (Delta) ONE</b>			<b>ISBN: 978-1-4479-6231-1</b>			
<b>7 Delta</b> Sets 1-3	<b>Unit 2 Number skills (11/09/17)</b> <ul style="list-style-type: none"> <li>• Factors, primes &amp; multiples</li> <li>• Using negative numbers</li> <li>• Multiplying &amp; dividing</li> <li>• Squares &amp; square roots</li> <li>• More powers &amp; roots</li> <li>• Calculations</li> </ul> <b>Unit 6 Decimals (09/10/17)</b> <ul style="list-style-type: none"> <li>• Ordering decimals</li> <li>• Rounding decimals</li> <li>• Adding &amp; subtracting decimals</li> <li>• Multiplying decimals</li> <li>• Dividing decimals</li> <li>• Fractions, decimals &amp; percentages</li> <li>• FINANCE: Working with decimals</li> </ul>	<b>Unit 4 Fractions (13/11/17)</b> <ul style="list-style-type: none"> <li>• Working with fractions</li> <li>• Adding &amp; subtracting fractions</li> <li>• Fractions, decimals &amp; percentages</li> <li>• Multiplying &amp; dividing fractions</li> <li>• Working with mixed numbers</li> </ul> <b>Unit 3 Equations, functions &amp; formulae (11/12/17)</b> <ul style="list-style-type: none"> <li>• Direct proportion</li> <li>• Writing ratios</li> <li>• Using ratios</li> <li>• Scales &amp; measures</li> <li>• Proportions &amp; fractions</li> <li>• Proportions &amp; percentages</li> </ul>	<b>Unit 7 Equations (15/01/18)</b> <ul style="list-style-type: none"> <li>• Solving one-step equations</li> <li>• Solving two-step equations</li> <li>• More complex equations</li> <li>• Trial &amp; improvements</li> </ul> <b>Unit 5 Angles &amp; shape (05/02/18)</b> <ul style="list-style-type: none"> <li>• Angles and parallel lines</li> <li>• Triangles</li> <li>• Quadrilaterals</li> <li>• Polygons</li> </ul>	<b>Unit 9 Perimeter, area &amp; volume (05/03/18)</b> <ul style="list-style-type: none"> <li>• Triangles, parallelograms and trapeziums</li> <li>• Perimeter &amp; area of compound shapes</li> <li>• Properties of 3D solids</li> <li>• Surface area</li> <li>• Volume</li> </ul>	<b>Unit 10 Sequences &amp; graphs (16/04/1)</b> <ul style="list-style-type: none"> <li>• Sequences</li> <li>• The nth term</li> <li>• Pattern sequences</li> <li>• Coordinates and line segments</li> <li>• Graphs</li> </ul> <b>Unit 1 Analysing &amp; displaying data (14/05/18)</b> <ul style="list-style-type: none"> <li>• Two-way tables &amp; bar charts</li> <li>• Averages &amp; range</li> <li>• Grouped data</li> <li>• More graphs</li> <li>• Pie charts</li> <li>• STEM: Scatter graphs and correlation</li> </ul>	<b>Unit 8 Multiplicative reasoning (25/06/18)</b> <ul style="list-style-type: none"> <li>• Writing ratios</li> <li>• Sharing in a given ratio</li> <li>• Proportion</li> <li>• Proportional reasoning</li> <li>• Using the unitary method</li> </ul>

Year 7	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
<b>Year 7 Topics – <math>\vartheta</math> (Theta)</b>						
<b>Textbook – KS3 Maths Progress <math>\vartheta</math> (Theta) ONE</b>			<b>ISBN: 978-1-4479-6232-8</b>			
7 Theta Sets 4-6	<b>Unit 2 Number Skills (11/09/17)</b> <ul style="list-style-type: none"> <li>Mental maths</li> <li>Adding &amp; subtracting</li> <li>Multiplication</li> <li>Division</li> <li>FINANCE: Time &amp; money</li> <li>Negative numbers</li> <li>Factors, multiples &amp; primes</li> <li>Square &amp; triangle numbers</li> </ul> <b>Unit 4 Decimals a&amp; measures (09/10/17)</b> <ul style="list-style-type: none"> <li>Decimals &amp; rounding</li> <li>Length, mass &amp; capacity</li> <li>Scales &amp; coordinates</li> <li>Working with decimals mentally</li> <li>Perimeter</li> <li>Area</li> <li>STEM: More units</li> </ul>	<b>Unit 5 Fractions (13/11/17)</b> <ul style="list-style-type: none"> <li>Comparing fractions</li> <li>Simplifying fractions</li> <li>Working with fractions</li> <li>Fractions &amp; decimals</li> <li>Understanding percentages</li> <li>Percentages of amounts</li> </ul> <b>Unit 7 Ratio &amp; proportion (11/12/17)</b> <ul style="list-style-type: none"> <li>Direct proportion</li> <li>Writing ratios</li> <li>Using ratios</li> <li>Scales &amp; measures</li> <li>Proportions &amp; fractions</li> <li>Proportions &amp; percentages</li> </ul>	<b>Unit 3 Expressions, functions &amp; formulae (15/01/18)</b> <ul style="list-style-type: none"> <li>Functions</li> <li>Simplifying expressions 1</li> <li>Simplifying expressions 2</li> <li>Writing expressions</li> <li>STEM: Substituting into formulae</li> </ul>	<b>Unit 8 Lines &amp; angles (19/02/18)</b> <ul style="list-style-type: none"> <li>Lines, angles &amp; triangles</li> <li>Estimating, measuring &amp; drawing angles</li> <li>Drawing triangles accurately</li> <li>STEM: Calculating angles</li> <li>Angles in triangles</li> <li>Quadrilaterals</li> </ul> <b>Unit 6 Probability (19/03/18)</b> <ul style="list-style-type: none"> <li>The language of probability</li> <li>Calculating probability</li> <li>More probability calculations</li> <li>Experimental probability</li> <li>FINANCE: Expected outcomes</li> </ul>	<b>Unit 9 Sequences &amp; graphs (23/04/1)</b> <ul style="list-style-type: none"> <li>Sequences</li> <li>Pattern sequences</li> <li>Coordinates</li> <li>Extending sequences</li> <li>Straight-line graphs</li> <li>Position-to-term rules</li> </ul> <b>Unit 1 Analysing &amp; displaying data (21/05/18)</b> <ul style="list-style-type: none"> <li>Mode, median &amp; range</li> <li>Bar displaying data</li> <li>Grouping data</li> <li>Averages &amp; comparing data</li> <li>Line graphs &amp; more bar charts</li> <li>Using spreadsheets</li> </ul>	<b>Unit 10 Transformations (25/06/18)</b> <ul style="list-style-type: none"> <li>Congruency &amp; enlargements</li> <li>symmetry</li> <li>Reflections</li> <li>Rotations</li> <li>Translations &amp; combined transformations</li> </ul>

Year 7	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
<b>Year 7 Topics – <math>\pi</math> (Pi)</b>						
<i>Textbook – KS3 Maths Progress <math>\pi</math> (Pi) ONE ISBN: 978-1-4479-6229-8</i>						
Set 7	<b>Unit 2 Calculating (11/09/17)</b> <ul style="list-style-type: none"> <li>• Adding</li> <li>• Subtracting</li> <li>• Multiplying</li> <li>• Dividing</li> <li>• Multiplying and dividing by 10, 100 and 1000</li> <li>• Using the 4 operations</li> <li>• Positive &amp; negative numbers</li> </ul> <b>Unit 5 Factors &amp; multiples (09/10/17)</b> <ul style="list-style-type: none"> <li>• Number rules and relationships</li> <li>• Multiples</li> <li>• Multiplications</li> <li>• Division</li> <li>• Solving problems</li> <li>• Factors &amp; primes</li> <li>• Common factors and multiples</li> </ul>	<b>Unit 9 Fractions, decimals and percentages (13/11/17)</b> <ul style="list-style-type: none"> <li>• Comparing fractions</li> <li>• Equivalent fractions</li> <li>• Adding and subtracting fractions</li> <li>• Introducing percentages</li> <li>• FINANCE: Finding percentages</li> </ul> <b>Unit 3 Expressions, functions &amp; formulae (11/12/17)</b> <ul style="list-style-type: none"> <li>• Using functions</li> <li>• Function machines</li> <li>• Simplifying expressions</li> <li>• Writing expressions</li> <li>• STEM: Using formulae</li> </ul> Writing formulae	<b>Unit 7 Angles and lines (15/01/18)</b> <ul style="list-style-type: none"> <li>• Right angles and lines</li> <li>• Measuring angles 1</li> <li>• Measuring angles 2</li> <li>• Drawing and estimating angles</li> <li>• Putting angles together</li> </ul> <b>Unit 8 Measuring and shapes (19/02/18)</b> <ul style="list-style-type: none"> <li>• Shapes</li> <li>• Symmetry in shapes</li> <li>• More symmetry</li> <li>• Regular Polygons</li> <li>• Perimeter</li> <li>• Area</li> </ul>	<b>Unit 6 Decimals and measures (19/03/18)</b> <ul style="list-style-type: none"> <li>• Estimates and measures</li> <li>• Decimal numbers</li> <li>• Metric units</li> <li>• Adding and subtracting decimals</li> <li>• Rounding</li> <li>• Multiplying and dividing decimals</li> <li>• FINANCE: calculating with money+</li> </ul>	<b>Unit 4 Graphs (16/04/18)</b> <ul style="list-style-type: none"> <li>• Reading graphs</li> <li>• Coordinates</li> <li>• Graphs of functions</li> <li>• STEM: Scientific graphs</li> </ul> <b>Unit 1 Analysing and displaying data (21/05/18)</b> <ul style="list-style-type: none"> <li>• Tables &amp; pictograms</li> <li>• Bar charts</li> <li>• Grouped data</li> <li>• Mode &amp; modal class</li> <li>• Range &amp; median</li> <li>• Mean</li> </ul>	<b>Unit 10 Transformations (25/06/18)</b> <ul style="list-style-type: none"> <li>• Reflection</li> <li>• Translation</li> <li>• Rotation</li> <li>• STEM: Congruency</li> </ul>