

# Westhaven School Curriculum Map for Mathematics



KS1						
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<a href="#">Refer to the White Rose Early Years Scheme of Learning for more details</a>	<b>Getting to know you</b>  <b>Just like me!</b> Match and sort Compare amounts Compare size, mass & capacity Exploring pattern	<b>It's me 1, 2, 3!</b> Representing, comparing and composition of 1, 2 & 3  Circles and triangles  Positional language  <b>Light and dark</b> Representing numbers to 5	<b>Alive in 5!</b> Introducing zero Comparing numbers to 5 Composition of 4 & 5 Compare mass Compare capacity  <b>Growing 6, 7, 8</b> Combining two amounts Making pairs Length & height	<b>Building 9 and 10</b> Counting to 9 & 10 Comparing numbers to 10 Bonds to 10 3-D shapes Spatial awareness Patterns  <b>Consolidation</b>	<b>To 20 and beyond</b> Build numbers beyond 10 Count patterns beyond 10 Spatial reasoning Match, rotate, manipulate  <b>First, then, now</b> Adding more Taking away Spatial reasoning	<b>Find my pattern</b> Doubling Sharing & grouping Even & odd Spatial reasoning Visualise and build  <b>On the move</b> Deepening understanding Patterns & relationships Spatial mapping Mapping

		One more or less Shapes with 4 sides Time	Time			
		Step 0 Autumn Assessment		Step 0 Spring Assessment		Step 0 Summer Assessment
	Key:	Number	Measurement	Geometry	Statistics	Assessment

KS2 Lower – Include a weekly number workout for fluency practice. Starters should generally be number based.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<a href="#">Refer to the White Rose Mixed age Yr 1/2 Scheme of Learning for further details</a>  <a href="#">Refer to National Curriculum Progression document for differentiation</a>	Place value (within 10):	Place value	Place value (within 20):	Money	Multiplication and division	Fractions
					Fractions	
	Addition and subtraction (within 10):	Addition and subtraction	Addition and subtraction (within 20)	Multiplication and division	Position and direction	Time
			Place value (within 50)		Place value (within 100)	
	Shape	Shape	Length and height	Length and height	Money	Statistics
			Mass and Volume	Mass, capacity and temperature	Time	Position and Direction
		Step 0, 1 or 2 Autumn Assessments		Step 0, 1 or 2 Spring Assessments		Step 0, 1 or 2 Summer Assessments

Key:      Number      Measurement      Geometry      Statistics      Assessment

↓KS2 Upper - Include a weekly number workout for fluency practice. Starters should generally be number based.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<a href="#">Refer to the White Rose Schemes of Learning for more details</a>  <a href="#">Refer to National Curriculum Progression document for differentiation</a>	Place value	Place Value	Multiplication and division	Multiplication and division	Fractions	Money
		Addition and subtraction			Money	
	Addition and subtraction		Length and perimeter	Length and perimeter		Time
		Area	Fractions	Fractions	Time	
	Multiplication and division	Multiplication and division		Shape	Statistics	Shape
			Mass and capacity		Position and direction	Statistics
		Step 0- 3 Autumn Assessments		Step 0-3 Spring Assessments		Step 0-3 Summer Assessments
	Key:	Number	Measurement	Geometry	Statistics	Assessment

KS3 - Include a weekly number workout for fluency practice. Starters should generally be number based.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<a href="#">Refer to the White Rose Schemes of Learning for more details</a>  <a href="#">Refer to National Curriculum Progression document for differentiation</a>	Place value	Place value	Multiplication and division	Ratio (if working at Yr 6)	Shape	Shape
	Addition and subtraction	Four operations				
	Multiplication and division	Fractions	Decimals and percentages (if working at Yr 4 or above)	Fractions, decimals and percentages (if working at Yr 4 or above)	Negative numbers	Position and direction
	Fractions	Converting units	Perimeter and area	Area, perimeter and volume	Converting units	
			Statistics		Volume	
	If learners cannot access some of the above topics please continue to work on core number skills					
		Step 0- 6 Autumn Assessments		Step 0-6 Spring Assessments		Step 0-6 Summer Assessments
Key:	Number	Measurement	Geometry	Statistics	Algebra	Assessment

KS3 (For learners working at Year 7 or above)

Include a weekly number workout for fluency practice. Starters should generally be number based.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<a href="#">Refer to the White Rose Schemes of Learning for more details</a>  <a href="#">Refer to National Curriculum Progression document for differentiation</a>	Algebraic Thinking:	Place Value and Proportion	Applications of number	Directed number	Lines & angles	Reasoning with number
	Sequences	Place value & ordering integers & decimals	Solving problems with addition and subtraction	Operations & equations with directed number	Constructing, measuring & using geometric notation	Developing number sense
	Understand and use algebraic notation	Fraction, decimal & percentage equivalence	Solving problems with multiplication & division	Fractional thinking	Developing geometric reasoning	Sets & probability
	Equality and equivalence		Fractions & percentages of amounts	Addition and subtraction of fractions		Prime numbers & proof
		Yr 7 Autumn Assessments		Yr 7 Spring Assessments		Yr 7 Summer Assessments

Key:      Number      Measurement      Geometry      Statistics      Algebra      Assessment

Year 10 Entry Level	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	<a href="#">Component 1: properties of number</a>	<a href="#">Component 2: the four operations</a>	<a href="#">Component 3: ratio</a>	<a href="#">Component 4: money</a>	<a href="#">Component 5: the calendar and time</a>	<a href="#">Component 6: measures</a>
End of unit outcomes	Completion of Component 1	Completion of Component 2	Completion of Component 3	Completion of Component 4	Completion of Component 5	Completion of Component 6
Assessment	<a href="https://www.aqa.org.uk/subjects/mathematics/elc/mathematics-5930">https://www.aqa.org.uk/subjects/mathematics/elc/mathematics-5930</a>					
	Key: <b>Number</b>	<b>Measurement</b>	<b>Geometry</b>	<b>Statistics</b>	<b>Assessment</b>	

Year 10 Functional Skills	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	Using numbers and the number system	Using numbers and the number system	Using common measures, shape and space	Using numbers and the number system	Handling information and data	Using common measures, shape and space  Review of learning for the year and assessments
Assessment	<a href="https://www.aqa.org.uk/subjects/mathematics/elc/mathematics-5930">https://www.aqa.org.uk/subjects/mathematics/elc/mathematics-5930</a>  <a href="https://www.aqa.org.uk/subjects/mathematics/functional-skills/mathematics-8361-8362">https://www.aqa.org.uk/subjects/mathematics/functional-skills/mathematics-8361-8362</a>  Use Functional Skills 1 short assessments provided by AQA (In CGP workbooks)					
	Key:      Number      Measurement      Geometry      Statistics					



Year 10 GCSE	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	Basic calculation skills  Whole number theory  Algebraic expressions  Functions and sequences	Properties of shapes and solids  Further algebraic expressions  Equations  Angles	Fractions  Decimals  Units and Measures  Percentages	Algebraic formulae  Perimeter  Area  Approximation and estimation	Straight-line graphs  Graphs of equations and functions  Three-dimensional shapes  Volume and surface area	Calculations with ratio  Basic probability and experiments  Combined events and probability diagrams  Review learning for year and past paper assessments
End of unit outcomes	Use the Check-in tests – Initial learning from OCR at the start of a topic. Use the Check-in tests Foundation at the end of the topic to monitor progress.					
Assessment	<a href="https://www.ocr.org.uk/qualifications/gcse/mathematics-j560-from-2015/">https://www.ocr.org.uk/qualifications/gcse/mathematics-j560-from-2015/</a> Use Check-in tests from OCR for assessment at the end of each topic					
	Key:   Number   Measurement   Geometry   Statistics   Algebra   Assessment					

Year 11 Entry Level	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	<a href="#">Component 7: geometry</a>	<a href="#">Component 8: statistics</a>	<p>Complete Functional Skills 1 past papers. If the learner has a possibility of passing this qualification consider preparing learners for this.</p> <p>If not then complete any outstanding EL components and improve scores.</p>	<p>Preparation for FSK1</p> <p>or</p> <p>Completing any outstanding EL components and improving scores.</p>	<p>Preparation for FSK1</p> <p>or</p> <p>Completing any outstanding EL components and improving scores.</p>	<p>Preparation for FSK1</p> <p>or</p> <p>Completing any outstanding EL components and improving scores.</p>
Assessment	Completion of Component 7	Completion of Component 8	Functional Skills 1 past papers	Resits of Component assessments or Functional Skills 1 past papers	Resits of Component assessments or Functional Skills 1 past papers	Functional Skills 1 or Financial Maths Topic
	Key: <span>Number</span> <span>Measurement</span> <span>Geometry</span> <span>Statistics</span>					

Year 11 Functional Skills	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	Using numbers and the number system  Past paper practice	Using common measures, shape and space  Past paper practice	Handling information and data  Past paper practice	Review of learning and  Past paper Practice	External Assessments	Practical budgeting problems  Time  Money
Assessment	<a href="https://www.aqa.org.uk/subjects/mathematics/elc/mathematics-5930">https://www.aqa.org.uk/subjects/mathematics/elc/mathematics-5930</a>  <a href="https://www.aqa.org.uk/subjects/mathematics/functional-skills/mathematics-8361-8362">https://www.aqa.org.uk/subjects/mathematics/functional-skills/mathematics-8361-8362</a>  Use of Functional Skills 1 short assessments provided by AQA (In CGP workbooks)  <a href="https://alison.com/course/financial-maths-revised#outcomes">https://alison.com/course/financial-maths-revised#outcomes</a>					
Key:	Number	Measurement	Geometry	Statistics	Assessment	

Year 11 GCSE	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	Powers and roots  Standard Form  Plane vector geometry  Plane isometric transformations	Pythagoras' theorem  Trigonometry  Direct and inverse proportion	Collecting and displaying data  Analysing data  Interpreting graphs  Algebraic inequalities	Review all learning through past paper practice	External Assessments	Practical budgeting problems
Assessment	<a href="https://www.ocr.org.uk/qualifications/gcse/mathematics-j560-from-2015/">https://www.ocr.org.uk/qualifications/gcse/mathematics-j560-from-2015/</a>  <a href="https://alison.com/course/financial-maths-revised#outcomes">https://alison.com/course/financial-maths-revised#outcomes</a>					
	Key:      Number      Measurement      Geometry      Statistics      Algebra					

Year 12 and 13	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<p>Year 12 and Year 13 learners will follow the Maths for Life curriculum. This will be accredited by an AQA Unit Award.</p> <p>The Maths For Life programme provides a differentiated approach to the maths curriculum that lays down solid foundations, is framed in practical understanding, and delivers the essential maths needed for life.</p>						
Topic	Details to be added shortly (June 2023)					
Linked documents	<a href="#">Maths for Life</a>					
Assessment	<a href="#">AQA Unit Award Scheme</a>					
Key:	Number	Measurement	Geometry	Statistics	Assessment	