



## Curriculum and skills Map 2022-23 - Maths

### Year 7

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<b>Autumn</b>	<b>Algebraic Thinking</b>						<b>Place Value and Proportion</b>					
	Sequences		Understand and use algebraic notation		Equality and equivalence		Place value and ordering integers and decimals			Fraction, decimal and percentage equivalence		
<b>Spring</b>	<b>Applications of Number</b>						<b>Directed Number</b>			<b>Fractional Thinking</b>		
	Solving problems with addition & subtraction		Solving problems with multiplication and division		Fractions & percentages of amounts		Four operations with directed number			Addition and subtraction of fractions		
<b>Summer</b>	<b>Lines and Angles</b>						<b>Reasoning with Number</b>					
	Constructing, measuring and using geometric notation			Developing geometric reasoning			Developing number sense		Sets and probability		Prime numbers and proof	

Further information can be found on <https://whiterosemaths.com/resources?year=year-7>



## Curriculum and skills Map 2022-23 - Maths

### Year 8

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Proportional Reasoning						Representations					
	Ratio and scale		Multiplicative change		Multiplying and dividing fractions		Working in the Cartesian plane			Representing data		Tables & Probability
Spring	Algebraic techniques						Developing Number					
	Brackets, equations and inequalities				Sequences	Indices	Fractions and percentages			Standard index form	Number sense	
Summer	Developing Geometry						Reasoning with Data					
	Angles in parallel lines and polygons			Area of trapezia and circles		Line symmetry and reflection	The data handling cycle			Measures of location		

Further information can be found on <https://whiterosemaths.com/resources?year=year-8>



# Curriculum and skills Map 2022-23 - Maths

Final tier entries will be determined at the beginning of year 11.

## GCSE Foundation

Year 9, 2023 - Foundation 3 Year 2021

September			October						
Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	
Basic number		Factors and multiples	Angles		Scale diagrams and bearings		Holiday	Basic algebra	
November			December					January	
Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18	
Basic algebra	Basic fractions	Basic decimals	w/b 27/11 w/e 3/12	Rounding	Basic percentages	Holiday		Sequences	
January			February				March		
Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Wk 25	Wk 26	Wk 27	
Coordinates and linear graphs	Collecting and representing data	Introduction to perimeter and area	Review and revision 2		Holiday	Introduction to circumference and area	Ratio and proportion		
March			April			May			
Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33	Wk 34	Wk 35	Wk 36	
Basic probability		Review and revision 3		Holiday		Equations		Scatter graphs	Review and revision 4
May			June			July			
Wk 37	Wk 38	Wk 39	Wk 40	Wk 41	Wk 42	Wk 43	Wk 44	Wk 45	
Review and revision 4	Holiday	Transformations		Summer Examinations and Revision		Pythagoras' theorem	2D representations of 3D shapes		



## Curriculum and skills Map 2022-23 - Maths

▾ Year 10, 2024 - Foundation 3 Year 2021

September				October				
Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9
Review and revision 5	Standard form	Calculating with percentages	Measures	Review and revision 6	Holiday	Statistical measures		
November				December				
Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18
Statistical measures	Indices	Constructions and loci	Year 10 Examinations and Revision	Holiday	Algebra recap and extension			
January				February				March
Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Wk 25	Wk 26	Wk 27
Congruence and similarity	Introduction to trigonometry	Review and revision 7	Holiday	Further perimeter and area	Graphs recap and extension			
March			April				May	
Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33	Wk 34	Wk 35	Wk 36
Further circumference and area	Review and revision 8	Holiday	Simultaneous equations	Properties of polygons	Review and revision 9			
May			June				July	
Wk 37	Wk 38	Wk 39	Wk 40	Wk 41	Wk 42	Wk 43	Wk 44	Wk 45
Review and revision 9	Holiday	Real life graphs	Summer Examinations and Revision	Review of basic probability	Probability			



## Curriculum and skills Map 2022-23 - Maths

Year 11, 2025 - Foundation 3 Year 2021

September				October				
Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9
Review and revision 10		Volume		Algebra: quadratics, rearranging formulae and identities		Review and revision 11	Holiday	Inequalities
November				December				
Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18
Algebra and graphs			Sketching graphs	Mock Examinations and Revision		Holiday		Direct and inverse proportion
January				February				March
Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Wk 25	Wk 26	Wk 27
Direct and inverse proportion	Trigonometry		Review and revision 12	Holiday	Solving quadratic equations		Quadratic graphs	Growth and decay
March		April			May			
Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33	Wk 34	Wk 35	Wk 36
Growth and decay	Review and revision 13	Holiday		Vectors		Revision		
May		June			July			
Wk 37	Wk 38	Wk 39	Wk 40	Wk 41	Wk 42	Wk 43	Wk 44	Wk 45
Revision	Holiday	Revision		June Examinations		w/b 22/6 w/e 28/6	w/b 29/6 w/e 5/7	w/b 6/7 w/e 12/7



# Curriculum and skills Map 2022-23 - Maths

Year 9, 2023 - Higher 3 Year 2021

September				October					
Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	
Basic number	Factors and multiples	Angles	Scale diagrams and bearings	Basic algebra review	Sequences	w/b 16/10 w/e 22/10	Holiday	Basic decimals	
November				December				January	
Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18	
Basic fractions	Rounding	Collecting and representing data		Real life graphs	Coordinates and linear graphs	Year 9 examinations	w/b 18/12 w/e 24/12	Holiday	Basic percentages
January			February			March			
Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Wk 25	Wk 26	Wk 27	
Perimeter and area		Review and revision 1	Review and revision 2		Holiday	Circumference and area		Ratio and proportion	
March			April				May		
Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33	Wk 34	Wk 35	Wk 36	
Ratio and proportion	Equations	Review and revision 3	Holiday		Basic probability	Scatter graphs	Standard form	Review and revision 4	
May		June				July			
Wk 37	Wk 38	Wk 39	Wk 40	Wk 41	Wk 42	Wk 43	Wk 44	Wk 45	
Review and revision 4	Holiday	Transformations		Summer examinations and revision		Constructions and loci		2D representations of 3D shapes	



## Curriculum and skills Map 2022-23 - Maths

Year 10, 2024 - Higher 3 Year 2021

September				October				
Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9
Review and revision 5	Calculating with percentages	Measures	Surds	Review and revision 6	Holiday	Statistical measures		
November				December				
Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18
Statistical measures	Indices	Properties of polygons	Examinations and revision	Holiday	Number recap and review			
January				February				March
Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Wk 25	Wk 26	Wk 27
Congruence and similarity	Pythagoras theorem and basic trigonometry	Review and revision 7	Holiday	Simultaneous equations	Probability			
March			April				May	
Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33	Wk 34	Wk 35	Wk 36
Probability	Statistics recap and review	Review and revision 8	Holiday	Algebra: introduction to quadratics and rearranging formulae	Volume	Review and revision 9		
May			June				July	
Wk 37	Wk 38	Wk 39	Wk 40	Wk 41	Wk 42	Wk 43	Wk 44	Wk 45
Review and revision 9	Holiday	Algebra recap and review	Sketching graphs	Summer examinations and revision	Linear and quadratic equations and their graphs	Geometry and measures recap and review		



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Year 11, 2025 - Higher 3 Year 2021

September				October				
Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9
Review and revision 10	Algebra: further quadratics, rearranging formulae and identities	Trigonometry recap and extension		Growth and decay		Review and revision 11	Holiday	Equation of a circle
November				December				
Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15	Wk 16	Wk 17	Wk 18
Further equations and graphs		Direct and inverse proportion		Mock examinations and revision		Holiday		Inequalities
January				February				March
Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Wk 25	Wk 26	Wk 27
Vectors		Further sketching graphs	Review and revision 12	Holiday	Sine and cosine rules	Transforming functions	Numerical methods	Circle theorems
March			April			May		
Wk 28	Wk 29	Wk 30	Wk 31	Wk 32	Wk 33	Wk 34	Wk 35	Wk 36
Circle theorems	Review and revision 13	Holiday		Gradients and rate of change	Pre-calculus and area under a curve	Algebraic fractions	Revision	
May			June				July	
Wk 37	Wk 38	Wk 39	Wk 40	Wk 41	Wk 42	Wk 43	Wk 44	Wk 45
Revision	Holiday	Revision		June examinations		w/b 22/6 w/e 28/6	w/b 29/6 w/e 5/7	w/b 6/7 w/e 12/7