

Mathematics sample Stage 4 scope and sequence – Year 7 (illustrating the start of Stage 5 by the end of Year 8)

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 1	Units	1 Basic Number Review		2 Integers		3 Angles and Two-Dimensional Shapes			4 Fractions, Decimals and Percentages (conversions and calculations) ...		
	Substrands	S3 Whole Numbers, S3 Addition and Subtraction, S3 Multiplication and Division		S4 Computation with Integers		S3 Angles (review), S4 Angle Relationships, S4 Properties of Geometrical Figures 1			S3 Fractions and Decimals (review), S4 Fractions, Decimals and Percentages (part)		
	Working Mathematically outcomes	MA3-1WM, MA3-2WM, MA3-3WM		MA4-1WM, MA4-2WM, MA4-3WM		MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-2WM, MA4-3WM		
	Content outcomes	MA3-4NA, MA3-5NA, MA3-6NA		MA4-4NA		MA3-16MG, MA4-17MG, MA4-18MG			MA3-7NA, MA4-5NA		

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 2	Units	... cont'd	5 Applications of Percentages			6 Indices with Numerical Bases		7 Simple Probability		8 Time	
	Substrands	See Term 1	S4 Fractions, Decimals and Percentages (part)			S4 Indices		S3 Chance (review), S4 Probability 1		S3 Time (review), S4 Time	
	Working Mathematically outcomes	See Term1	MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-2WM, MA4-3WM		MA4-1WM, MA4-2WM, MA4-3WM		MA4-1WM, MA4-2WM	
	Content outcomes	See Term1	MA4-5NA			MA4-9NA		MA3-19SP, MA4-21SP		MA3-13MG, MA4-15MG	

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 3	Units	9 Introductory Algebra				10 Simple Equations		11 Pythagoras' Theorem		12 Length, Perimeter and Circumference	
	Substrands	S4 Algebraic Techniques 1, S4 Algebraic Techniques 2 (part)				S4 Equations (part)		S4 Right-Angled Triangles (Pythagoras)		S3 Length (review), S4 Length	
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM				MA4-1WM, MA4-2WM, MA4-3WM		MA4-1WM, MA4-2WM		MA4-1WM, MA4-2WM	
	Content outcomes	MA4-8NA				MA4-10NA		MA4-16MG		MA3-9MG, MA4-12MG	

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 4	Units	13 Transformations on the Number Plane		14 Area of Plane Shapes (including circles)			15 Data Collection, Representation and Simple Analysis				
	Substrands	S3 Patterns and Algebra (review), S4 Linear Relationships (part)		S3 Area (review), S4 Area			S3 Data (review), S4 Data Collection and Representation, S4 Single Variable Data Analysis (part)				
	Working Mathematically outcomes	MA4-1WM, MA4-3WM		MA4-1WM, MA4-2WM			MA4-1WM, MA4-2WM, MA4-3WM				
	Content outcomes	MA3-8NA, MA4-11NA		MA3-10MG, MA4-13MG			MA3-18SP, MA4-19SP, MA4-20SP				

Mathematics Sample Stage 4 Scope and Sequence – Year 8 (illustrating the start of Stage 5 by the end of Year 8)

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 1	Units	1 Financial Mathematics				2 Volume and Capacity of Prisms and Cylinders (including area review)			3 Further Probability (including Venn diagrams)		
	Substrands	S4 Fractions, Decimals and Percentages (review), S4 Financial Mathematics				S3 Volume and Capacity (review), S4 Volume, S5.2 Volume			S4 Probability 2, S5.1 Probability		
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM				MA4-1WM, MA4-2WM, MA5.2-1WM, MA5.2-2WM			MA4-1WM, MA4-2WM, MA4-3WM, MA5.1-1WM, MA5.1-2WM, MA5.1-3WM		
	Content outcomes	MA4-5NA, MA4-6NA				MA3-11MG, MA4-14MG, MA5.2-12MG			MA4-21SP, MA5.1-13SP		

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 2	Units	4 Further Algebra (including index laws)				5 Further Linear Equations			6 Graphing Patterns and Linear Relationships		
	Substrands	S4 Algebraic Techniques 1 (review), S4 Algebraic Techniques 2, S4 Indices (review), S5.1 Indices				S4 Equations (part), S5.2 Equations (part)			S4 Linear Relationships (part)		
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM MA5.1-1WM, MA5.1-3WM				MA4-1WM, MA4-2WM, MA4-3WM MA5.2-1WM, MA5.2-2WM			MA4-1WM, MA4-3WM		
	Content outcomes	MA4-8NA, MA5.1-5NA				MA4-10NA, MA5.2-8NA			MA4-11NA		

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 3	Units	7 Geometry and Congruence				8 Ratios, Rates and Distance/Time Graphs			9 Similar Figures and Scale		
	Substrands	S4 Properties of Geometrical Figures 1 (review), S4 Properties of Geometrical Figures 2, S5.2 Properties of Geometrical Figures (part)				S4 Ratios and Rates			S5.1 Properties of Geometrical Figures		
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM MA5.2-1WM, MA5.2-3WM				MA4-1WM, MA4-2WM, MA4-3WM			MA5.1-1WM, MA5.1-2WM, MA5.1-3WM		
	Content outcomes	MA4-17MG, MA5.2-14MG				MA4-7NA			MA5.1-11MG		

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 4	Units	10 Data Interpretation, Evaluation and Comparison				11 Surface Area of Prisms and Cylinders			12 Investigating Metric Units, Scientific Notation and Rounding		
	Substrands	S4 Single Variable Data Analysis (part), S5.1 Single Variable Data Analysis				S5.1 Area and Surface Area, S5.2 Area and Surface Area			S5.1 Numbers of Any Magnitude		
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM MA5.1-1WM, MA5.1-2WM, MA5.1-3WM				MA5.1-1WM, MA5.1-2WM, MA5.2-1WM, MA5.2-2WM			MA5.1-1WM, MA5.1-2WM, MA5.1-3WM		
	Content outcomes	MA4-20SP, MA5.1-12SP				MA5.1-8MG, MA5.2-11MG			MA5.1-9MG		