

Mathematics sample Stage 5 scope and sequence – Year 9 (illustrating the completion of Stage 5.1 and substrands identified ◊ in Stage 5.2 by the end of Year 10)

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 1	Unit	1 Geometry and Congruence (Stage 4)					2 Further Algebra (Stage 4)				
	Outcomes/ Substrands for review as appropriate	-					MA4-1WM, MA4-3WM, MA4-8NA S4 Algebraic Techniques 1				
	Targeted outcomes and substrands	MA4-1WM, MA4-2WM, MA4-3WM, MA4-17MG S4 Properties of Geometrical Figures 1 (part), S4 Properties of Geometrical Figures 2					MA4-1WM, MA4-2WM, MA4-3WM, MA4-8NA S4 Algebraic Techniques 2				

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Term 2	Unit	3 Further Linear Equations (Stage 4)				4 Data Interpretation and Evaluation (Stage 4)				5 Patterns and Linear Relationships (Stage 4) ...	
	Outcomes/ Substrands for review as appropriate	-				MA4-1WM, MA4-3WM, MA4-19SP S4 Data Collection and Representation (summary statistics)				MA3-1WM, MA3-2WM, MA3-3WM, MA3-8NA S3 Patterns and Algebra 2	
	Targeted outcomes and substrands	MA4-1WM, MA4-2WM, MA4-3WM, MA4-10NA Substrand: S4 Equations (part)				MA4-1WM, MA4-2WM, MA4-3WM, MA4-20SP S4 Single Variable Data Analysis (part)				MA4-1WM, MA4-3WM, MA4-11NA S4 Linear Relationships (part)	

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Term 3	Unit	... 5 cont'd		6 Ratios, Rates and Distance/Time Graphs (Stage 4)			7 Earning Money and Taxation				
	Outcomes/ Substrands for review as appropriate	See Term 2		-			MA4-1WM, MA4-2WM, MA4-5NA S4 Fractions, Decimals and Percentages (calculations with decimals and percentages)				
	Targeted outcomes and substrands	See Term 2		MA4-1WM, MA4-2WM, MA4-3WM, MA4-7NA S4 Ratios and Rates			MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.1-4NA S5.1 Financial Mathematics (part)				

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Term 4	Unit	8 Indices and Scientific Notation				9 Approximations and Conversions (including rounding with significant figures)			10 Area and Surface Area (including use of Pythagoras' theorem)			
	Outcomes/ Substrands for review as appropriate	MA4-1WM, MA4-3WM, MA4-9NA S4 Indices				MA4-1WM, MA4-5NA S4 Fractions, Decimals and Percentages (rounding)			MA4-1WM, MA4-2WM, MA4-12MG, MA4-13MG S4 Length (Pythagoras' theorem) S4 Area (area formulas)			
	Targeted outcomes and substrands	MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.1-5NA, MA5.1-9MG S5.1 Indices, S5.1 Numbers of Any Magnitude (part)				MA5.1-1WM, MA5.1-3WM, MA5.1-9MG S5.1 Numbers of Any Magnitude (part)			MA5.1-1WM, MA5.1-2WM, MA5.1-8MG S5.1 Area and Surface Area			

**Mathematics Sample Stage 5 Scope and Sequence – Year 10 (illustrating the completion of Stage 5.1 and substrands identified ◊ in Stage 5.2 by the end of Year 10)**

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 1	Unit of work	1 Investing Money and Spending Money					2 Linear Relationships				
	Outcomes/ Substrands for review as appropriate	MA4-1WM, MA4-2WM, MA4-5NA S4 Fractions, Decimals and Percentages (calculations with percentages)					MA4-1WM, MA4-11NA S4 Linear Relationships (plotting points on the Cartesian plane)				
	Targeted outcomes and substrands	MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.2-1WM, MA5.2-2WM, MA5.1-4NA, MA5.2-4NA S5.1 Financial Mathematics (part), S5.2 Financial Mathematics ◊					MA5.1-1WM, MA5.1-3WM, MA5.1-6NA S5.1 Linear Relationships				

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Term 2	Unit of work	3 Similarity and Scale				4 Right-Angled Trigonometry (including angles measured to the nearest minute/second and bearings)					
	Outcomes/ Substrands for review as appropriate	MA4-1WM, MA4-3WM, MA4-7NA S4 Ratios and Rates (review ratios as necessary)				–					
	Targeted outcomes and substrands	MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.1-11MG S5.1 Properties of Geometrical Figures				MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.2-1WM, MA5.2-2WM, MA5.1-10MG, MA5.2-13MG S5.1 Right-Angled Triangles (Trigonometry), S5.2 Right-Angled Triangles (Trigonometry) ◊					

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Term 3	Unit of work	5 Interpreting and Evaluating Statistical Reports in the Media					6 Non-Linear Relationships				
	Outcomes/ Substrands for review as appropriate	–					–				
	Targeted outcomes and substrands	MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.2-1WM, MA5.2-3WM, MA5.1-12SP, MA5.2-15SP S5.1 Single Variable Data Analysis, S5.2 Single Variable Data Analysis (part) ◊					MA5.1-1WM, MA5.1-3WM, MA5.2-1WM, MA5.2-3WM, MA5.1-7NA, MA5.2-10NA S5.1 Non-Linear Relationships, S5.2 Non-Linear Relationships ◊				

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Term 4	Unit of work	7 Probability					8 Using Summary Statistics to compare Sets of Data (including quartiles and box plots)				
	Outcomes/ Substrands for review as appropriate	MA4-1WM, MA4-2WM, MA4-3WM, MA4-21SP S4 Probability 1, S4 Probability 2 (interpreting Venn diagrams and two-way tables)					MA4-1WM, MA4-3WM, MA4-19SP, MA4-20SP S4 Data Collection and Representation (data displays), S4 Single Variable Data Analysis (summary statistics)				
	Targeted outcomes and substrands	MA5.1-1WM, MA5.1-2WM, MA5.1-3WM, MA5.1-13SP S5.1 Probability					MA5.2-1WM, MA5.2-3WM, MA5.2-15SP S5.2 Single Variable Data Analysis (part) ◊				