

Mathematics sample Stage 4 scope and sequence – Year 7 (illustrating the completion of Stage 4 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			
	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			
	Working Mathematically outcomes	MA3-1WM, MA3-2WM, MA3-3WM			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			
	Life Skills units	Number Review and Operations						Two-Dimensional Space			
	Substrands	Numeration: Language of Numbers, Counting, Representing Numbers, Comparing and Ordering Numbers Operations: Addition and Subtraction, Multiplication and Division						Two-Dimensional and Three-Dimensional Space: Recognising Objects and Shapes, Features of Objects and Shapes			
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM, MALS-3WM						MALS-1WM, MALS-2WM, MALS-3WM			
	Life Skills content outcomes	MALS-4NA, MALS-5NA, MALS-6NA, MALS-7NA, MALS-10NA, MALS-11NA						MALS-30MG, MALS-31MG			

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Term 2	Units	4 Fractions, Decimals and Percentages (conversions and calculations)					5 Applications of Percentages			6 Indices with Numerical Bases		
	Substrands	S3 Fractions and Decimals (review), S4 Fractions, Decimals and Percentages (part)					S4 Fractions, Decimals and Percentages (part)			S4 Indices		
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM					MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-2WM, MA4-3WM		
	Content outcomes	MA3-7NA, MA4-5NA					MA4-5NA			MA4-9NA		
	Life Skills units	Fractions, Decimals and Percentages								Money		
	Substrands	Numeration: Fractions, Operations: Fractions, Decimals and Percentages								Money: Comparing and Ordering Money, Reading and Writing Amounts of Money, Calculating with Money		
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM, MALS-3WM								MALS-1WM, MALS-2WM, MALS-3WM		
	Life Skills content outcomes	MALS-8NA, MALS-9NA								MALS-13NA, MALS-14NA, MALS-15NA		

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Term 3	Units	7 Simple Probability			8 Time			9 Introductory Algebra				
	Substrands	S3 Chance (review), S4 Probability 1			S3 Time (review), S4 Time			S4 Algebraic Techniques 1, S4 Algebraic Techniques 2 (part)				
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-2WM			MA4-1WM, MA4-2WM, MA4-3WM				
	Content outcomes	MA3-19SP, MA4-21SP			MA3-13MG, MA4-15MG			MA4-8NA				
	Life Skills units	Probability			Time					Repeating Patterns		
	Substrands	Chance: Language of Chance, Chance and Probability			Time: Recognising Time, Relating Time, Interpreting Time, Calculating and Measuring Time, Managing Time					Patterns and Algebra: Repeating Patterns		
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM, MALS-3WM			MALS-1WM, MALS-2WM					MALS-1WM, MALS-3WM		
	Life Skills content outcomes	MALS-38SP, MALS-39SP			MALS-20MG, MALS-21MG, MALS-22MG, MALS-23MG, MALS-24MG					MALS-18NA		

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Term 4	Units	10 Simple Equations			11 Pythagoras' Theorem			12 Length, Perimeter and Circumference			13 Transformations on the Number Plane	
	Substrands	S4 Equations (part)			S4 Right-Angled Triangles (Pythagoras)			S3 Length (review), S4 Length			S3 Patterns and Algebra (review), S4 Linear Relationships (part)	
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-2WM			MA4-1WM, MA4-2WM			MA4-1WM, MA4-3WM	
	Content outcomes	MA4-10NA			MA4-16MG			MA3-9MG, MA4-12MG			MA3-8NA, MA4-11NA	
	Life Skills units	Number Sentences			Two-Dimensional Space			Length and Perimeter			Maps and Plans	
	Substrands	Patterns and Algebra: Number Sentences			Two-Dimensional and Three-Dimensional Space: Recognising Objects and Shapes, Features of Objects and Shapes			Measurement: Estimating and Measuring, Length			Position: Language, Recognising Maps and Plans, Using Maps and Plans	
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM			MALS-1WM, MALS-2WM, MALS-3WM			MALS-1WM, MALS-3WM			MALS-1WM, MALS-2WM	
	Life Skills content outcomes	MALS-19NA			MALS-30MG, MALS-31MG			MALS-25MG, MALS-26MG			MALS-32MG, MALS-33MG, MALS-34MG	

Mathematics Sample Stage 4 Scope and Sequence – Year 8 (illustrating the completion of Stage 4 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 Area of Plane Shapes				2 Data Collection, Representation and Simple Analysis					
	Substrands	S3 Area (review), S4 Area				S3 Data (review), S4 Data Collection and Representation, S4 Single Variable Data Analysis (part)					
	Working Mathematically outcomes	MA4-1WM, MA4-2WM				MA4-1WM, MA4-2WM, MA4-3WM					
	Content outcomes	MA3-10MG, MA4-13MG				MA3-18SP, MA4-19SP, MA4-20SP					
	Life Skills units	Area				Data Representation and Interpretation					
	Substrands	Measurement: Area				Data: Recognising Data, Organising Data, Interpreting Data					
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-3WM				MALS-1WM, MALS-2WM, MALS-3WM					
	Life Skills content outcomes	MALS-29MG				MALS-35SP, MALS-36SP, MALS-37SP					

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Term 2	Units	3 Financial Mathematics				4 Volume and Capacity of Prisms and Cylinders (including area review)			5 Further Probability (including Venn diagrams)			
	Substrands	S4 Fractions, Decimals and Percentages (part), S4 Financial Mathematics				S3 Volume and Capacity (review), S4 Volume			S4 Probability 2			
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM				MA4-1WM, MA4-2WM			MA4-1WM, MA4-2WM, MA4-3WM			
	Content outcomes	MA4-5NA, MA4-6NA				MA3-11MG, MA4-14MG			MA4-21SP			
	Life Skills units	Financial Mathematics				Mass, Volume and Capacity			Probability			
	Substrands	Numeration: Fractions, Operations: Fractions, Decimals and Percentages, Money: Calculating with Money, Making Decisions About Purchasing, Personal Finance				Measurement: Mass, Volume and Capacity			Chance: Language of Chance, Chance and Probability			
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM, MALS-3WM				MALS-1WM, MALS-2WM			MALS-1WM, MALS-2WM, MALS-3WM			
	Life Skills content outcomes	MALS-8NA, MALS-9NA, MALS-15NA, MALS-16NA, MALS-17NA Students may require review of MALS-12NA, MALS-13NA, MALS-14NA				MALS-27MG, MALS-28MG			MALS-38SP, MALS-39SP			

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		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Term 3	Units	6 Further Algebra					7 Further Linear Equations			8 Patterns and Linear Relationships		
	Substrands	S4 Algebraic Techniques 1 (review), S4 Algebraic Techniques 2					S4 Equations (part)			S4 Linear Relationships (part)		
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM					MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-3WM		
	Content outcomes	MA4-8NA					MA4-10NA			MA4-11NA		
	Life Skills units	Patterns and Algebra					Maps and Plans					
	Substrands	Patterns and Algebra: Repeating Patterns, Number Sentences					Position: Language, Recognising Maps and Plans, Using Maps and Plans					
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM, MALS-3WM					MALS-1WM, MALS-2WM					
	Life Skills content outcomes	MALS-18NA, MALS-19NA					MALS-32MG, MALS-33MG, MALS-34MG					

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Term 4	Units	9 Geometry and Congruence				10 Ratios, Rates and Distance/Time Graphs			11 Data Interpretation and Evaluation			
	Substrands	S4 Properties of Geometrical Figures 1 (review), S4 Properties of Geometrical Figures 2				S4 Ratios and Rates			S4 Data Collection and Representation (review), S4 Single Variable Data Analysis (part)			
	Working Mathematically outcomes	MA4-1WM, MA4-2WM, MA4-3WM				MA4-1WM, MA4-2WM, MA4-3WM			MA4-1WM, MA4-2WM, MA4-3WM			
	Content outcomes	MA4-17MG				MA4-7NA			MA4-19SP, MA4-20SP			
	Life Skills units	Properties of Shapes				Calculations with Time			Data Interpretation			
	Substrands	Two-Dimensional and Three-Dimensional Space: Recognising Objects and Shapes, Features of Objects and Shapes				Patterns and Algebra: Number Sentences Time: Interpreting Time, Calculating and Measuring Time			Data: Organising Data, Interpreting Data			
	Life Skills Working Mathematically outcomes	MALS-1WM, MALS-2WM, MALS-3WM				MALS-1WM, MALS-2WM, MALS-3WM			MALS-1WM, MALS-2WM, MALS-3WM			
	Life Skills content outcomes	MALS-30MG, MALS-31MG				MALS-19NA, MALS-22MG, MALS-23MG			MALS-36SP, MALS-37SP			