Date		Unit	Foundation Tier	Textbooks				Unit	Higher Tier	Textbooks				Homework
				F	F+	H	H+			F	F+	H	H+	
Sept	4th	12. Sequences	Generate and use term-to-term rule of a sequence (square, cube, triangular numbers; arithmetic (linear) sequence; Fibonacci type sequences; quadratic sequences; simple geometric progressions)	A3.1 A3.2	A4.1 A4.2	A3.2	A2.1	12. Sequences	Generate and use term-to-term rule of a sequence (square, cube, triangular numbers; arithmetic (linear) sequence; Fibonacci type sequences; quadratic sequences; simple geometric progressions)	A3.1 A3.2	A4.1 A4.2	A3.2	A2.1	**Unit 10 HW1**
			Generate terms using the position-to-term rule (nth term) of a sequence	A3.6	A4.3	A3.3	A2.2		Generate terms using the position-to-term rule (nth term) of a sequence	A3.6	A4.3	A3.3	A2.2	
			Find the nth term of an arithmetic sequence	A3.6	A4.3	A3.3	A2.2		Find the nth term of an arithmetic sequence	A3.6	A4.3	A3.3	A2.2	
	11th		Generate terms of a sequence using a recurrence relationship	A3.2	A4.3	A3.3			Generate terms of a sequence using a recurrence relationship	A3.2	A4.3	A3.3		**Unit 10 HW2**
									Find the nth term of an quadratic sequence					
		13. Properties of Number 2	Zero & negative index laws					13. Properties of Number 2	Zero & negative index laws					**PAPER**
	18th								Convert ordinary numbers to standard form & vice versa					
			Convert large numbers to standard form & vice versa						Multiplying numbers in standard form					
			Convert small numbers to standard form & vice versa						Dividing numbers in standard form					
			Multiplying numbers in standard form						Add-subtract numbers in standard form					**PAPER**
	25th		Dividing numbers in standard form						Performing calculations in standard from with a calculator					
		13. Properties of Number 2	Add-subtract numbers in standard form											
									Solving real-life problems in standard form					
			Performing calculations in standard from with a calculator											**Unit 12 HW1**
Oct	2nd		Solving real-life problems in standard form						**Fractional indices**					
		8. Algebraic Expressions	Expand single and double brackets		A2.3	A2.2 A2.3	A1.2							
			Factorise algebraic expressions by taking out common number and/or letter factors		A2.5	A2.4	A1.3		**Simplifying surds**					
			Factorise quadratic expressions, where the coefficient of $x^2 = 1$			A2.5	A1.3		**Mult-div surds**					**Unit 13 HW1**
	9th		Factorise quadratic expressions using the difference of two squares				A1.5		**Rationalising the denominator**					
									Rationalising the denominator using DOTS					
		10. Linear Equations & Formulae	Solve linear equations with unknown on one side	A6.4	A5.2 A5.3	A4.2	A3.1							
			Solve linear equations with unknowns on both sides		A5.5	A4.3 A4.4	A3.1	8. Algebraic Expressions	Expand single and double brackets		A2.3	A2.2 A2.3	A1.2	
	16th		Solve linear equations with brackets		A5.4 A7.1		A3.1		**Expand the product of more than two linear expressions**					
			Solve linear equations with negative or fractional solutions		A7.2	A4.5	A3.1		Factorise algebraic expressions by taking out common number and/or letter factors		A2.5	A2.4	A1.3	
			Solve linear equations with fractional terms		A5.5		A3.1		Factorise quadratic expressions, where the coefficient of $x^2 = 1$			A2.5	A1.3	
	23rd								Factorise quadratic expressions using the difference of two squares				A1.5	**OWN topic based HW**
	30th		Solve angle problems using algebra						**Factorise quadratic expressions where coefficient of $x^2 > 1$**					
Nov			Change the subject of a formula (basic)		A6.4	A5.1			**Simplifying rational expressions (algebraic fractions)**				A3.3	
			Change the subject of a formula with fractional terms		A5.2									
									Add-subtract rational expressions (algebraic fractions)				A3.4 A3.5	**OWN topic based HW**
	6th		Midpoint of a line segment	+14	A1.6									
			Equations of horizontal and vertical lines	A2.6	A1.4	A1.2			**Mult-div rational expressions (algebraic fractions)**				A3.3	
			Drawing graphs of linear functions with a table of values	A2.5	A1.2	A1.1								
		14. Linear Graphs	Drawing graphs of linear functions without a table of values		A1.3 A3.1	A1.1		10. Linear Equations & Formulae	Solve linear equations with unknowns on both sides		A5.5	A4.3 A4.4	A3.1	**Unit 8 HW1**
	13th								Solve linear equations with integers and fractional terms		A7.2		A3.2 A3.3	
			Calculating the gradient of a straight line (link to scatter graphs)			A1.3 A1.4	A2.3		Set up and solve linear equations from a word problem					
			Drawing graphs of linear functions using the gradient and y-intercept				A2.3		Change the subject of a formula (basic)		A6.4	A5.1	A6.1	
			Find the equation of a straight line from its graph			A1.3 A1.4	A2.3		Change the subject of a formula with fractional terms			A5.2	A6.2	**Unit 8 HW2**
	20th	**Mock 1**												
	27th								**Changing the subject of a formula where it appears on both sides or within a root or power**				A6.2	
		14. Linear Graphs	Find the equation of a straight line through one point with a given gradient			A1.5	A2.4		**Change recurring decimals into fractions using algebra**					
			Find the equation of a straight line through two given points				A2.4							
Dec	4th		Identify parallel lines from their equations				A2.5		Translate a 2D shape; Describe translations *(link to vectors)*	G4.3 G5.3	G4.3	G3.3		**Unit 13 HW2**
									Rotate a 2D shape; Describe rotations	G4.2 G5.2	G4.2	G3.2		
			Translate a 2D shape; Describe translations *(link to vectors)*	G4.3 G5.3	G4.3	G3.3			Reflect a 2D shape; Describe reflections	G4.1 G5.1	G4.1	G3.1		

		15. Transformations	Rotate a 2D shape; Describe rotations	G4.2 G5.2	G4.2	G3.2		15. Transformations								
	11th		Reflect a 2D shape; Describe reflections	G4.1 G5.1	G4.1	G3.1			Enlarge a 2D shape using a positive integer scale factor & CoE; Describe enlargements *(link to similarity)*	G5.4 G5.5	G4.5 G4.6	G4.1		OWN topic based HW
									Enlarge a 2D shape using a positive fractional scale factor & CoE; Describe enlargements *(link to similarity)*			G4.2 G4.3		
			Enlarge a 2D shape using a positive integer scale factor & CoE; Describe enlargements *(link to similarity)*	G5.4 G5.5	G4.5 G4.6	G4.1								
			Enlarge a 2D shape using a positive fractional scale factor & CoE; Describe enlargements *(link to similarity)*			G4.2 G4.3			**Enlarge a 2D shape using a negative scale factor & CoE; Describe enlargements *(link to similarity)***					
	18th													OWN topic based HW
	25th	**CHRISTMAS HOLIDAY**												
Jan	1st													
		16. Linear Inequalities & Simultaneous Equations	Show and read inequalities on a number line	+10	A6.5			14. Linear Graphs	Midpoint of a line segment; Equs of horiz & vert lines	+14	A1.4 A1.6	A1.2		
	8th		Solve linear inequalities	+10	A6.5				Drawing graphs of linear functions with/without a table of values	A2.5	A1.2 A1.3 A3.1	A1.1		Unit 15 HW1
			Find integer solutions to linear inequalities		A6.6	A5.6	A5.1		Calculating the gradient of a straight line (link to scatter graphs)			A1.3 A1.4	A2.3	
			Solve problems involving linear inequalities				A5.1		Drawing graphs of linear functions using the gradient & y-intercept				A2.3	
			Solve linear inequalities graphically						Find the equation of a straight line from its graph				A2.3	
	15th	GAP	Review Mock					GAP	Review Mock					Unit 15 HW2
			Review Mock						Review Mock					
			GAP						GAP					
			GAP						GAP					
	22nd		GAP						GAP					
			GAP						GAP					
		16. Linear Inequalities & Simultaneous Equations	Solving linear simultaneous equations graphically			A5.5		14. Linear Graphs	Find the equation of a straight line through one point with a given gradient			A1.5	A2.4	
									Find the equation of a straight line through two given points				A2.4	
	29th		Solving linear simultaneous equations algebraically (no equations multiplied)			A5.3								
									Identify the gradient and y-intercept from equations y = mx + c & ax + by = c.					
			Solving linear simultaneous equations algebraically (one or both equations multiplied)			A5.4	A5.4							
			Set up and solve linear simultaneous equations from a word problem			A5.4			Generate equations of straight lines parallel **and perpendicular** to the given line				A2.5	
Feb	5th													
		17. Perimter, Area & Volume 2	Circumference of a circle	G7.3	G7.1	G5.4		16. Linear Inequalities & Simultaneous Equations	Show and read inequalities on a number line	+10	A6.5			
			Area of a circle	G7.3	G7.1	G5.4			Solve linear inequalities	+10	A6.5			
			Perimeter & area of circle problems						Find integer solutions to linear inequalities		A6.6		A5.1	
	12th		Perimeter & area of circle problems, with answers in terms of pi			G5.5			Solve problems involving linear inequalities				A5.1	
			Volume of a cylinder		G7.2	G5.6			Solve linear inequalities graphically				A5.2	
			Surface area of a cylinder			G5.6			Solving linear simultaneous equations graphically			A5.5		
									Solving linear simultaneous equations algebraically (no equations multiplied)			A5.3		
	19th	**HALF TERM**												Unit 14 HW1
	26th	**Mock 2**												
														Unit 14 HW2
	5th	17. Perimter, Area & Volume 2	Arc length of a sector of a circle				G3.1	16. Linear Inequalities & Simultaneous Equations	Solving linear simultaneous equations algebraically (one or both equations multiplied)			A5.4		
Mar			Area of a sector of a circle				G3.1							
									Set up and solve linear simultaneous equations from a word problem			A5.4		
			Area of a segment of a circle											OWN topic based HW
	12th							17. Perimter, Area & Volume 2	Circumference of a circle	G7.3	G7.1	G5.4		
			Volume of a pyramid (cone)						Area of a circle	G7.3	G7.1	G5.4		
			Surface area of a pyramid (cone)						Perimeter & area of circle problems, with answers in terms of pi			G5.5		
			Volume and surface area of a sphere				G3.2		Volume of a cylinder		G7.2	G5.6		OWN topic based HW
	19th		Volume and surface area of compound solids				G3.3 G3.4		Surface area of a cylinder			G5.6		
			Solve complex problems with 3D shapes inc. frustum of a cone				G3.5							
		GAP	Review Mock					GAP	Review Mock					
			Review Mock						Review Mock					
	26th		GAP						GAP					PAPER
			GAP						GAP					
			GAP						GAP					
			GAP						GAP					
April	2nd	**EASTER**												PAPER
	9th	**EASTER**												
	16th		Draw and interpret graphs from real data (e.g. conversion graphs), including interpreting rates of change	A2.7 A2.8 A4.6	A3.2 A3.3 A3.4	A1.3			Arc length of a sector of a circle				G3.1	

		18. Real-Life Graphs & Multiplicative Reasoning	Draw and interpret distance-time graphs, including interpreting rates of change	A4.7 A4.8	A3.6 A3.7 A3.8	A1.4 A6.1 A6.2		17. Perimter, Area & Volume 2	Area of a sector of a circle				G3.1	
			Draw and interpret speed-time graphs, including interpreting rates of change						Area of a segment of a circle					Unit 16 HW1
													G3.2	
	23rd		Solving speed-distance-time problems		A3.5	N3.6			Volume of a pyramid (cone)				G3.3 G3.4	
			Solving problems involving compound measures, including rates of pay, unit pricing, density & pressure			G1.6			Surface area of a pyramid (cone)				G3.5	
														Unit 16 HW2
			Use equations to solve problems involving direct proportion						Volume and surface area of a sphere				G3.7	
	30th								Volume and surface area of compound solids				G3.8	
			Use equations to solve problems involving inverse proportion						Solve complex problems with 3D shapes inc. frustum of a cone					
														Unit 17 HW1
May	7th	Bank Holiday												
		19. Constructions, Loci & Bearings	Construct triangles (SSS, SAS, ASA) using ruler, compasses and protractor	G6.1	G6.2	G6.2		18. Real-Life Graphs & Multiplicative Reasoning	Draw and interpret graphs from real data (e.g. conversion graphs), including interpreting rates of change	A2.7 A2.8 A4.6	A3.2 A3.3 A3.4	A1.3		
			Draw and interpret scale diagrams	G6.2	G6.6	G6.1			Draw and interpret distance-time graphs, including interpreting rates of change	A4.7 A4.8	A3.6 A3.7 A3.8	A1.4 A6.1 A6.2		Unit 17 HW2
			Construct basic loci		G6.3 G6.4				Draw and interpret speed-time graphs, including interpreting rates of change					
	14th		Construct perpendicular and angle bisectors		G6.5	G6.3			Solving speed-distance-time problems			A3.5	N3.6	
									Solving problems involving compound measures, including rates of pay, unit pricing, density & pressure			G1.6		
			Solve problems with intersecting loci			G6.4			**Write &** use equations to solve problems involving direct proportion				N5.1 N5.2	OWN topic based HW
			Identify regions bounded by loci to solve practical problems			G6.5			**Write &** use equations to solve problems involving inverse proportion				N5.3 N5.4	
	21st		Draw and measure bearings	G6.3	G6.1									
			Use angles at parallel lines to work out bearings			G6.1			**Solve problems involving square and cubic proportionality**				N5.2 N5.4	
			Solve problems involving bearings and scale diagrams			G6.1			**Use and recognise graphs showing inverse proportion**					OWN topic based HW
	28th	HALF TERM												
	4th	20. Pythagoras' Theorem & Trigonometry 1	Use Pythagoras' theorem to find the hypotenuse of a triangle	+15	G7.3	G5.1	G4.1	19. Constructions, Loci & Bearings	Construct triangles (SSS, SAS, ASA) using ruler, compasses and protractor	G6.1	G6.2	G6.2		
June			Use Pythagoras' theorem to find the shorter sides of a triangle	+15	G7.4	G5.1	G4.1		Draw and interpret scale diagrams	G6.2	G6.6	G6.1		
									Construct basic loci		G6.2			Unit 18 HW1
									Construct perpendicular and angle bisectors		G6.6			
	11th		Find line segments using Pythagoras' theorem (eg. Distance between two points on a graph)		G5.3	G4.1			Solve problems with intersecting loci			G6.3-4		
									Identify regions bounded by loci to solve practical problems			G6.5		Unit 18 HW2
			Apply Pythagoras' theorem to solve practical problems			G5.2	G4.6		Draw and measure bearings	G6.3	G6.1			
									Use angles at parallel lines to work out bearings			G6.1		
	18th								Solve problems involving bearings and scale diagrams			G6.1		
			Calculate angles in a RAT using trigonometry (SOHCAHTOA)			G7.3 G7.4 G7.5	G4.4	20. Pythagoras' & T	Use Pythagoras' theorem to find the hypotenuse of a triangle	+15	G7.3	G5.1	G4.1	OWN topic based HW
									Use Pythagoras' theorem to find the shorter sides of a triangle	+15	G7.4	G5.1	G4.1	
			Calculate lengths in a RAT using trigonometry (SOHCAHTOA)			G7.1 G7.2	G4.2 G4.3		Find line segments using Pythagoras' theorem (eg. Distance between two points on a graph)			G5.3	G4.1	
	25th	Mock 3												
														Unit 19 HW1
July	2nd	GAF												
														Unit 19 HW2
	9th	20. Pythagoras' & Trigonometry 2 NON	Use trigonometry (SOHCAHTOA) to solve problems in compound shapes made from RATs			G7.4	G4.5	20. Pythagoras' & Trigonometry 2 NON	Calculate angles in a RAT using trigonometry (SOHCAHTOA)			G7.3 G7.4 G7.5	G4.4	
									Calculate lengths in a RAT using trigonometry (SOHCAHTOA)			G7.1 G7.2	G4.2 G4.3	
			Know and use the sine, cosine & tangent ratios on a calculator, including knowing the exact values of some angles						Use trigonometry (SOHCAHTOA) to solve problems in compound shapes made from RATs			G7.4	G4.5	PAPER
									Know and use the sine, cosine & tangent ratios on a calculator, including knowing the exact values of some angles					
	16th		Solve simple trigonometric problems involving bearings						Apply Pythagoras' theorem to solve practical problems			G5.2	G4.6	
			Solve real-life practical problems using trigonometry (SOHCAHTOA), Pythagoras' theorem and bearings						Solve simple trigonometric problems involving bearings					
									Solve real-life practical problems using trigonometry (SOHCAHTOA), Pythagoras' theorem and bearings					