Date		Unit	Foundation Tier	Textbooks F	Textbooks F+	Textbooks H	Textbooks H+	Unit	Higher Tier	Textbooks F	Textbooks F+	Textbooks H	Textbooks H+	Homework	Challenge for Set1
Sept	4th	1. Probability	Probability Scale / Prob of events	D1.1	D1.1 D1.2	D3.1 D5.1	D3.1 D3.5	1. Probability	Solving problems using Two way tables	D1.6 D2.5	D1.4 D2.5	D3.3			Probabillity of winning National Lottery
			Two way tables	D1.6 D2.5	D1.4 D2.5	D1.3 D3.3			Sample Space Diagrams						
			Solving problems using Two way tables	D1.6 D2.5	D1.4 D2.5	D3.3			Mutually exclusive events		D1.3	D3.2 D5.1	D3.1		
			Sample Space Diagrams						Experimental probability			D3.4	D3.2		
	11th		Mutually exclusive events		D1.3	D3.2	D3.1		Frequency trees					OWN topic based HW	
			Experimental probability			D3.4	D3.2								
			Frequency trees						Venn diagrams & set notation						
	18th		Venn diagrams & set notation						Tree diagrams - independent events			D5.2	D3.4	OWN topic based HW	
			Tree diagrams - independent events			D5.2	D3.4		Tree diagrams - dependent events			D5.3	D5.1		
	25th		Tree diagrams - dependent events			D5.3	D5.1		**Conditional probability**				D5.4 - 5	OWN topic based HW	
		2. Sampling & Summarising Data	Data types, random sampling & bias	D2.2	D2.2	D1.1 - 2	D1.1	2. Sampling & Summarising Data	Data types, random sampling & bias	D2.2	D2.2	D1.1 - 2	D1.1		Collecting a sample, taking a strtified sample and comparing two sets of data - PEE.
									Capture-recapture sampling						
Oct	2nd		Averages and range from small data sets	D4.1 - 3	D4.2	D1.5	D1.3		Stratified sampling				D1.2	**Unit 1 HW1**	
			Averages from frequency tables	D4.4	D2.1		D1.5		Averages from small data sets / frequency tables	D4.1 - 3	D4.2	D1.5	D1.3		
									Measures of spread						
			Stem and leaf diagrams, inc back2back	D3.7	D3.3	D2.3 D2.4	D2.6		Stem and leaf diagrams, inc back2back	D3.7	D3.3	D2.3 D2.4	D2.6		
	9th		Averages and range from stem and leaf diagrams	D4.6	D4.8		D2.6		Averages and measures of spread from stem and leaf diagrams	D4.6	D4.8		D2.6	**Unit 1 HW2**	
			Averages from grouped frequency tables		D3.2	D4.1			Averages from grouped frequency tables		D3.2	D4.1			
			Comparing two data sets	D4.5	D4.4	D4.5	D2.5		Comparing two data sets	D4.5	D4.4	D4.5	D2.5		
	16th								mean of combined data sets in					OWN topic based HW	
		3. Representing & Interpreting	Read and use correct notation for analogue & digital 12- & 24-hour clocks					3. Representing & Interpreting	Draw and interpret pie charts	D3.5 - 6	D3.1				Comparative Pie Charts. Moving Averages.
			Convert between different units of time												
			Read timetables & calculate time intervals				.		Draw and interpret line & time series graphs	D3.8	D3.4				
	23rd		**HALF TERM**												
	30th		Draw and interpret pie charts	D3.5 D3.6	D3.1 D4.6				Draw and interpret frequency polygons		D4.7	D4.2	D4.1	**Unit 2 HW1**	
Nov			Draw and interpret pictograms	D3.1 - 3					Draw and interpret frequency diagrams (Histogram with equal class intervals)		D4.7		D4.2 - 3		
			Draw and interpret bar charts (dual bar charts / composite bar charts)	D3.2 - 4					**Draw and interpret histograms with unequal class intervals using frequency density**				D4.4 - 5		
			Draw and interpret line & time series graphs	D3.8	D3.4										
	6th		Draw and interpret frequency polygons		D4.7	D4.2	D4.1		**Draw and interpret box plots**			D2.5	D2.4	**Unit 2 HW2**	
			Draw and interpret a frequency diagram (Histogram with equal class intervals)		D4.7		D4.2 - 4		**Draw and interpret cumulative frequency graphs**			D4.3 - 4	D2.2 - 3		
			Scatter graphs - relationships		D3.5	D2.1	D4.6		Scatter graphs - relationships		D3.5	D2.1	D4.6		
		3. Representing & Interpreting Data	Scatter graphs - lines of best fit & correlation		D4.9	D2.2	D4.6	3. Representing & Interpreting Data	Scatter graphs - lines of best fit & correlation		D4.9	D2.2	D4.6		
	13th													OWN topic based HW	
			Exams												
	20th		Percentage of an amount with/without a calc	N3.6	N3.5	N4.1	N2.2		Percentage of an amount with/without a calc	N3.6	N3.5	N4.1	N2.2	OWN topic based HW	
			Percentage increase/decrease of a quantity, including using multipliers	N3.7	N3.6	N4.2	N2.2		Percentage increase/decrease of a quantity, including using multipliers	N3.7	N3.6	N4.2	N2.2		
									Simple interest / Compound interest		N7.6	N4.3	N2.4		
			Simple interest / Compound interest		N7.6	N4.3	N2.4		Repeated percentage increase/decrease			N4.2			
	27th													**Unit 3 HW1**	
			Repeated percentage increase/decrease			N4.2			Reverse percentages			N4.5	N2.3		
		4. Percentages, Ratio & Proportion	Reverse percentages			N4.5	N2.3	4. Percentages, Ratio & Proportion	Write one amount as a percentage of another with/without a calc			N4.4			Calculation of the interests paid on a mortgage of £150000.
Dec	4th		Write one amount as a percentage of another with/without a calc			N4.4			Percentage change (profit/loss)					**Unit 3 HW2**	
			Percentage change (profit/loss)						Write & simplify a ratio (1:n & m:1)	N6.2	N4.1	N3.1			
			Write & simplify a ratio (1:n & m:1)	N6.2	N4.1	N3.1			Find a missing quantity given a ratio and one of the quantities	N6.2	N4.1	N3.2			
									Solve recipe problems using ratio and/or direct proportion	N6.6	N4.3	N3.3 - 4	N2.5		
	11th		Find a missing quantity given a ratio and one of the quantities	N6.2	N4.1	N3.2			Share a quantity in a given ratio	N6.2	N4.2			**PAPER**	
			Solve recipe problems using ratio and/or direct proportion	N6.6	N4.3	N3.3 - 4	N2.5		Solve best buy problems using direct proportion	N6.1			N5.1		
			Share a quantity in a given ratio	N6.2	N4.2				Solve problems using inverse proportion		N7.1		N5.3-4		
			Solve best buy problems using direct proportion	N6.1			N5.1								
	18th		Solve problems using inverse proportion		N7.1		N5.3 - 4	5. FDP	Find equivalent fractions; Simplify/order fractions	N3.2	N3.1			**PAPER**	
									Convert between improper fractions and mixed numbers	N3.1	N3.1	N2.1	N1.6		
	25th		**CHRISTMAS HOLIDAY**												
Jan	1st														
	4th		**Training Day**												
		5. FDP	Find equivalent fractions	N3.2	N3.1			5. FDP	Convert between fractions & decimals, including recurring decimals	N3.4	N3.1	N2.5	N1.6		
	8th		Simplify fractions	N3.2					Convert percentages to fractions & decimals	N3.4	N3.2	N2.4	N1.6	**Unit 4 HW1**	
			Order fractions (by rewriting over a common denominator)	N3.4	N3.3	N6.3	N1.7		Multiply fractions & mixed numbers		N6.2	N2.3	N1.5		
			Convert between improper fractions and mixed numbers	N3.1	N3.1	N2.1	N1.6		Divide fractions & mixed numbers		N6.2	N2.3	N1.5		
			Convert between fractions & decimals, including recurring decimals	N3.4	N3.1	N2.5	N1.6		Add-subtract fractions & mixed numbers	N3.2	N6.1	N2.1	N1.5		
	15th													**Unit 4 HW2**	
			Convert percentages to fractions & decimals	N3.4	N3.2	N2.4	N1.6		Multiply decimals	N4.4	N6.3	N1.3			
			Multiply fractions & mixed numbers		N6.2	N2.3	N1.5		Divide decimals	N4.4	N6.3	N5.3			
			Divide fractions & mixed numbers		N6.2	N2.3	N1.5		Add-subtract negative numbers	N4.3	N1.3	N1.2			
	22nd								Multiply-divide negative numbers	N4.4	N1.4			OWN topic based HW	
			Add-subtract fractions	N3.2	N6.1	N2.1	N1.5								
			Add-subtract mixed numbers	N3.2	N6.1	N2.1	N1.5		Rounding to given number of significant figures	N4.2	N1.5	N1.4	N1.1		
									Estimate answers to calculations by rounding numbers to 1 significant figure	N4.2	N2.6	N1.6	N1.4		
	29th		Order, add, subtract decimals	N4.1 - 3	N2.1 - 2			imals racy						OWN topic based HW	

Date		Unit	Foundation Tier	Textbooks				Unit	Higher Tier	Textbooks				Homework	Challenge for Set1
				F	F+	H	H+			F	F+	H	H+		
		6. Decimals & Accuracy	Multiply/divide by powers of 10	N4.4	N2.6			6. Decimals & Accuracy	Accuracy of measurements specified using error intervals	N4.2	N6.4	N1.7	N1.1		
Feb			Multiply decimals	N4.4	N6.3	N1.3 N5.3									
			Divide decimals	N4.4	N6.3	N5.3			Calculating using upper and lower bounds of rounded numbers			N7.4	N1.2		
	5th		Add-subtract negative numbers	N4.3	N1.3	N1.2								Unit 5 HW1	
			Multiply-divide negative numbers	N4.4	N1.4			7. Properties of Number 1	Factors, multiples & primes	N5.4 - 6	N5.1	N6.1	N4.3 - 4		Enrichment activity
									HCF & LCM of two numbers via listing	N5.6	N5.1	N6.2			
			Rounding to given power of 10/nearest integer/decimal places	N4.2	N1.5	N1.4	N1.1 N4.1		Prime Factor Decomposition (PFD)		N5.5	N6.1	N4.3		
	12th								HCF & LCM using PFD & Venn diagrams				N4.4	Unit 5 HW2	
			Rounding to given number of significant figures	N4.2	N1.5	N1.4	N1.1								
			Estimate answers to calculations by rounding numbers to 1 significant figure	N4.2	N2.6	N1.6	N1.1		Solving problems using LCM						
			Accuracy of measurements specified using error intervals	N4.2	N6.4	N1.7	N1.1		Squares, cubes & roots	N5.1	N5.2				
	19th								HALF TERM						
	26th	7. Properties of Number 1	Factors, multiples & primes	N5.4 - 6	N5.1	N6.1	N4.3		Order of operations (BIDMAS)					Unit 6 HW1	
			HCF & LCM of two numbers via listing	N5.6	N5.1	N6.2			Mult-div-power index laws			N6.4	N4.5		
									Using a calculator for powers, roots & division	N5.3	N5.4		N4.6		
			Prime Factor Decomposition (PFD)		N5.5	N6.1	N4.3								
Mar	5th		HCF & LCM using PFD & Venn diagrams				N4.4	8. Algebraic Expressions	Writing & simplifying simple algebraic expressions					Unit 6 HW2	Extend Factorising
									Expand and simplify single brackets		A2.3	A2.2 - 3	A1.2		
			Solving problems using LCM						Factorise algebraic expressions by taking out common number and/or letter factors			A2.4	A1.3		
			Squares, cubes & roots	N5.1 - 2	N5.2 - 3				Expand the product of two linear expressions						
	12th		Order of operations (BIDMAS)											PAPER	
			Mult-div-power index laws			N6.4 - 5	N4.5		Factorise quadratic expressions, where the coefficient of $x^2 = 1$				A1.3		
			Using a calculator for powers, roots & division	N5.3	N5.4		N4.6								
									Factorise quadratic expressions using the difference of two squares				A1.5		
	19th													PAPER	
		8. Algebraic Expressions	Using letters to represent numbers	A1.1	A2.1				Factorising by grouping				A1.3		
			Collecting like terms	A1.2	A2.1				**Factorise quadratic expressions where coefficient of $x^2 > 1$**				A1.3		
			Multiplying with numbers and letters	A1.2					**Expand the product of more than two linear expressions**						
	26th													Unit 7 HW1	
			Exams						Exams						
April	2nd								EASTER HOLIDAYS						
	9th														
	16th		Substitute numbers into simple algebraic expressions	A1.4 A1.5			A1.6							Unit 7 HW2	
			Substitute numbers into expressions involving brackets and powers						**Simplifying rational expressions (algebraic fractions)**						Variety of Algebraic Fractions
		8. Algebraic Expressions	Expanding single brackets with numbers		A2.3	A2.2	A1.2		**Add-subtract rational expressions (algebraic fractions)**						
	23rd		Expanding single brackets with letters		A2.3	A2.2	A1.2							OWN topic based HW	
			Factorise algebraic expressions by taking out common number and/or letter		A2.5	A2.4	A1.3		**Mult-div rational expressions (algebraic fractions)**						
			Expand the product of two linear expressions												
			Factorise quadratic expressions, where the coefficient of $x^2 = 1$			A2.5	A1.3	9. Angles	Angles in triangles (scalene, equilateral, isosceles, right-angled)				G4.4		
	30th								Angles on parallel lines					OWN topic based HW	
			Factorise quadratic expressions using the difference of two squares				A1.5		Know and use properties of quadrilaterals to solve problems			G2.4			
									Interior angles of polygons			G2.2			
									Exterior angles of polygons			G2.2			
May	7th								Bank Holiday						
		9. Angles	Basic angle types, rules and naming convention	G2.3	G2.1				**Isosceles triangles in circles**					Unit 8 HW1	
			Angles in triangles (scalene, equilateral, isosceles, right-angled)	G2.5	G2.2				**Circle theorems with tangents and chords**			G2.5 G2.7	G1.2 G1.3		
			Use properties of quadrilaterals to solve angle problems		G2.4				**Circle theorems angles in a semi circle & Cyclic**						
	14th		Interior angles of polygons		G5.1	G2.2			**Circle theorems angles in the same segments & at centre and circumference.**					Unit 8 HW2	
			Exterior angles of polygons		G5.2	G2.2			**Circle theorems alternate segment theorem**			G2.6	G1.4		
			Angles on parallel lines	G2.3	G2.5	G2.1									
	21st							10. Linear Equations & Formulae	Solve linear equations with unknown on one side					OWN topic based HW	
									Solve linear equations with unknowns on both sides						
		10. Linear Equations	Solve simple one-step equations						Solve linear equations with fractional terms				A3.2		
			Solve linear equations with unknown on one side												
	28th								HALF TERM						
June	4th		Solve linear equations with brackets						Set up and solve linear equations from a word problem					Unit 9 HW1	
			Solve linear equations with unknowns on both sides						Solve angle problems using algebra						
									Select an expression/equation/formula/identity from a list; Substitution into formulae		A6.1				
			Solve linear equations with negative or fractional solutions		A5.5		A3.1		Write an algebraic formula		A6.3				
	11th		Solve linear equations with fractional terms				A3.2		Change the subject of a formula (basic)		A6.4			Unit 9 HW2	
									Change the subject of a formula with fractional terms						
		10. Linear Equations & Formulae	Set up and solve linear equations from a word problem												Formulae involving complex terms with powers etc
			Solve angle problems using algebra						**Changing the subject of a formula where it appears on both sides or within a root or power**						
	18th		Select an expression/equation/formula/identity from a list; Substitution into formulae		A6.1 A6.2									PAPER	
			Write an algebraic formula		A6.3				**Change recurring decimals into fractions using algebra**						
			Change the subject of a formula (basic)		A6.4										

Date		Unit	Foundation Tier	Textbooks				Unit	Higher Tier	Textbooks				Homework	Challenge for Set1
				F	F+	H	H+			F	F+	H	H+		
			Change the subject of a formula with fractional terms												
	25th		EXAMS											PAPER	
July	2nd		GAF WEEK												
	9th	11. Perimeter, Area & Volume 1	Area of rectangles, triangles & parallelograms	G1.6	G1.2	G1.1		11. Perimeter, Area & Volume 1	Area of rectangles, triangles & parallelograms	G1.6	G1.2	G1.1		Unit 10 HW1	Complex SA & VOL
			Area of trapezium		G1.3	G1.2			Area of trapezium		G1.3	G1.2			
			Perimeter and area of compound shapes	G1.5	G1.2				Perimeter and area of compound shapes	G1.5	G1.2				
			Perimeter and area problems using algebra						Perimeter and area problems using algebra						
	16th								Volume of cuboids		G3.2		G3.7	Unit 10 HW2	
			Volume of cuboids		G3.2		G3.7		Volume of prisms (not cylinders)		G3.3 G7.2	G1.5			
			Volume of prisms (not cylinders)		G3.3	G1.5			Surface area of prisms (not cylinders)		G1.4	G1.4			
			Surface area of prisms (not cylinders)		G1.4	G1.4			Plans and elevations of 3D shapes			G1.3			