	TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
KEY TOPIC/VALUE						
Year 5/6	Numeracy:	Fractions	Numeracy:	Numeracy:	Numeracy:	Numeracy:
	Strands: Number and	Strands: Number and	Strands: Number	Strands: Number	Strands: Number	Strands: Number
	algebra & using and	algebra & using and	and algebra &	and algebra & using	and algebra & using	and algebra & using
	applying mathematics	applying	using and applying	and applying	and applying	and applying
		mathematics	mathematics	mathematics	mathematics	mathematics
	Mental mathematics					
	Place value	What is a fraction	Decimal place	multiplication and	Exploring large	Exploring the
	Addition, subtraction,	Understanding the	value,	division strategies,	numbers, counting	connection
	multiplication and	value of fractions	Multiply by	written and mental	in steps, using	between fractions
	division strategies,	Equivalent fractions	powers of 10,	mathematics	negative numbers in	and decimals,
	written and mental	Fraction of an amount	factors and		context, calculation	understanding
	mathematics		multiples		with money,	decimal place
		Numeracy:	Addition and	Measure:	equivalent fractions	value, multiplying
	Time:	Strands: Number and	subtraction	Strands: Shape,	and solving	fractions
	Strands: Shape, space	alaehra & usina and	strategies	space and measure	problems with	
	and measure & using	annlvina annlvina		& using and	, fractions, mental	Measure:
	and applying	mathematics	Time:	applying	strategies for	Strands: Shape,
	mathematics	mathematics	Strands: Shape.	mathematics	division	space and measure
		Mental mathematics	space and			& using and
	Telling time and reading	Place value	measure & usina	Exploring perimeter		applying
	timetables	Addition, subtraction.	and applying	area and volume		mathematics
		multiplication and	mathematics			
	Fractions	division strategies	mathematics	Shapes		Converting units of
	Strands: Number and	writton and montal	Exploring the 24	Strands: Shape,		measure,
	alaebra & usina and	mathematics	hour clock	space and measure		investigating
	applying mathematics	mathematics		& using and		imperial mesaures
				applying		
	What is a fraction	Shanac	Numeracy:	mathematics		
	Understanding the value	Shapes	Strands: Number			Numeracy:
	of fractions	and magging 8 using	and algebra &			Strands: Number
		unu meusure & using				and algebra & using

	Equivalent fractions Fraction of an amount	and applying mathematics Explore 2-D and 3-D shapes	<i>using and applying mathematics</i> Addition and subtraction strategies	Exploring polygons, co-ordinates and angles		and applying mathematics Decimal place value, including hundredths and links to percentages Addition, subtraction, multiplication and division strategies, written and mental mathematics Data Handling: Strands: Statistics & using and applying mathematics Data recording and line graphs
	Numeracy:	Measures:	Money	Angles	Fractions	Data Handling:
	Strands: Number and algebra & using and	Strands: Shape, space	Strands: Number	Strands: Shape,	Strands: Number and algebra & using	Strands: Statistics &
	applvina mathematics	and applvina	usina and applving	& usina and	and applying	mathematics
	- , , , , , , , , , , , , , , , , , , ,	mathematics	mathematics	applying	mathematics	
	Mental mathematics		Recognising	mathematics		Collecting
IEAR 0// A	(strategies and	Units of	money		What is a fraction	data (surveys, tally
	developing fluency,	measurement and	Value of money	What do they	Understanding the	charts)
	accuracy and use of	what they measure	Using money	measure	value of fractions	Displaying Data
	order of operations)	Converting between		How are they	Using fractions	(pictograms,bar
		metric units of		measured		charts, line graphs,
		measurement		Estimating angles		pie charts)

		Perimeter of 2D		Types of angle		Analysing Data
		shapes				(Mean. median.
						mode, range)
	Numeracy	Shape	Decimals	Time	Directed Numbers	Problem solving
	Strands: Number and	Strands: Shape, space	Strands: Number	Strands: Shape,	Strands: Number	Strand: Using and
	algebra & using and	and measure & using	and algebra &	space and measure	and algebra & using	applying
	applying mathematics	and applying	using and applying	& using and	and applying	mathematics
		mathematics	mathematics	applying	mathematics	
	Types of numbers and			mathematics		Word problems
	number vocabularv	Properties of shapes	What is a decimal		What do negative	Problem solving
YEAR 6/7 B	, (factors, multiples, HCF,	Area of 2D shapes	Where to decimals	Analogue time	values mean	strategies
	LCM, squares, cubes,		fit on a number	12 hour & 24 hour	Calculations with	Maths in real life
	primes etc.		line	clock time	negative numbers	
	, Difference, product, sum		Rounding	Timetables		
	etc.)		Calculations with			
	,		decimals			
	Numeracy & Sequences	Perimeter, Area &	Ratio and	Angles	Percentages	Probability
	Strands: Number and	Volume	Proportion	Strands: Shape,	Strands: Number	Strands: Statistics &
	algebra & using and	Strands: Shape, space	Strands: Number	space and measure	and algebra & using	using and applying
	applying mathematics	and measure & using	and algebra &	& using and	and applying	mathematics
		and applying	using and applying	applying	mathematics	
	Mental mathematics	mathematics	mathematics	mathematics		The probability
VEAR 7/8 A	Number vocabulary				What does	scale
	Calculating the next	Definitions	What is a ratio	Types of angle	percentage mean	(words and
	value in a linear	Formulae	Solving problems	Angles along a line	Calculating	numerical values)
	sequence	Calculations	using proportion	and round a point	percentages of	Listing outcomes
	Describing a linear	Units	and ratio	Angles at parallel	amounts	Calculating
	sequence in words			lines	Percentage increase	probabilities of
				Angles in polygons	and decrease	single events

						Sample space diagrams
YEAR 7/8 B	Order of operations Strands: Number and algebra & using and applying mathematics Understand indices Review mental mathematics strategies and calculations Know and be able to use the order of operations (BIDMAS)	Angles and Constructions Strands: Shape, space and measure & using and applying mathematics Types of angle Angles along a line and round a point Angles at parallel lines Angles in polygons Constructing angles Constructing triangles	Fractions, Decimals and Percentages Strands: Number and algebra & using and applying mathematics What is a fraction, what is a decimal, what is a decimal, what is a percentage Converting between equivalent fractions, decimals and percentages Calculations with fractions, decimals and percentages	Time Strands: Shape, space and measure & using and applying mathematics Analogue time 12 hour & 24 hour clock time Timetables Converting between units of measuring time Problem solving involving period of time	Problem solving Strand: Using and applying mathematics Word problems Problem solving strategies Maths in real life	Data and statistics Strands: Statistics & using and applying mathematics Types of data (discrete, continuous, numerical, categorical) Grouping data Displaying data (pie charts, histograms, cumulative frequency tables) Analysing data (mean, median, mode and range, including from a table)
	Strand Number and	Angles and Constructions	Decimals and	Volume	Strands Statistics	Strands: Statistics &
	algebra	Strands: Shape, space	Percentages	Strands: Shape,	using and applying	using and applying
YEAR 8/9 A		and measure & using	Strands: Number	space and measure	mathematics	mathematics
	What is algebra?	and applying	and algebra &	& using and		
		mathematics	using and applying	applying	Types of data	Calculating
			mathematics	mathematics	(discrete,	probabilities of

	Understanding and manipulating expressions Substituting Inverse functions Solving linear equations	Angles along a line and round a point Angles at parallel lines Angles in polygons Constructing angles Constructing triangles Loci	Review converting between equivalent fractions, decimals and percentages Calculating percentage increase/decrease, original amounts and interest	Calculations and problem solving including perimeter, area and volume	continuous, numerical, categorical) Grouping data Displaying data (pie charts, histograms, cumulative frequency tables) Analysing data (mean, median, mode and range, including from a table)	single and mutually exclusive events Calculating probabilities from sample space diagrams, tree diagrams and Venn diagrams
	Numeracy Standar Numeran and	Shape and space	Proportion, Ratio	Algebra	Data and statistics	Probability
	Stranas: Number ana alaebra & usina and	Stranas: Snape, space and measure & using	and Rates Strands: Number	Strana: Number and alaebra	Stranas: Statistics & using and applying	Stranas: Statistics & usina and applyina
	applying mathematics	and applying	and algebra &		mathematics	mathematics
		mathematics	using and applying	Review of algebra		
	Focus on skills required		mathematics	previously covered	Review all data and	Review of all
YEAR 8/9 B	for non-calculator	Review of all space		Rearranging	statistics work	probability work
	sections of Functional	and shape work	Review using	expressions and	covered and apply to	covered in previous
	Skills and GCSE syllabus	covered	proportion and	formulae	solve Functional	years
		Focus on problem	ratio	Solving	Skills and GCSE style	
		solving relating to this	Understanding	simultaneous	questions	
		Extend to include	and using rates	equations		
	Data and statistics	Pythagoras Theorem	Fractions	Brobability	Algobro	Algobro
	What is sampling	Volume	Decimals and	Ratio and	Maninulating	Linderstanding and
	Sampling techniques	Perimeter & areas of	Percentages	Proportion	expressions and	using v=mx+c
GCSE Year 1	Review of collecting,	2D shapes including	Conversions	Problem solving	solving linear	Graphing
(Year 9 or <u>10)</u>	displaying and analysing	circles and Pythagoras	between fractions,	including ratio and	equations and	inequalities
	data from KS3	Theorem	decimals and	proportion	inequalities	
		Volume of prisms	percentages	Similar shapes		Shape and
						transformations

		Volume of spheres,	Calculations with			Translation,
		cones and pyramids	fractions decimals			reflection, rotation
		Units and unit	and percentages			and enlargement
		conversions	including			
			percentage			
			change and			
			interest			
			Rational and			
			irrational numbers			
	Properties of	Ratio & Fractions	The four	Measures	Complete in class	Money
	numbers	Parts of a whole	operations	Units of measure of	tests and classwork	Calculator and non-
	Reading, writing and	Counting in fractional	Fluency with	length, capacity and	for submission in	calculator
	ordering numbers	increments	addition,	mass	Early/mid May	calculations
	Understanding the		subtraction,	Measuring,		involving money
	place value	Data & Statistics	multiplication and	estimating and	Begin FS Level 1:	Problem solving
	Rounding	Collecting and	division	problem solving	Money	and word problems
		displaying data	Mental maths		Calculator and non-	based in real life
VEAD 10 Entry	Geometry		strategies	Money	calculator	scenarios
Level in a year	Naming shapes			Understanding and	calculations	
	Describing position		The calendar and	using money	involving money	Time
	and turn		time		Problem solving and	Reading timetables
	Symmetry		Converting		word problems	Solving problems
			between time		based in real life	involving
			periods		scenarios	calculations with
			Telling time			periods of time
			Understanding			
			and using time			
			and the calendar			
	Properties of	Geometry	The four	Money	Measures	Data & Statistics
	numbers	Naming shapes	operations	Understanding and	Units of measure of	Collecting and
YEAR TO ENTRY	Reading, writing and	Describing	Fluency with	using money	length, capacity and	displaying data
– vear 1	ordering numbers	position and turn	addition,		mass	
	Understanding the place value	Symmetry	subtraction,			

	Rounding		multiplication and division Mental maths strategies		Measuring, estimating and problem solving	
•	Data and statistics	Geometry	Fractions.	Probability	Application of skills	Functional Skills
	Numeracy	Perimeter & area of	Decimals and	Ratio and	& practice of	exam
	Working with discrete	rectangles and shapes	Percentages	Proportion	Functional Skills past	
	data	made from rectangles	Converting units	Using the	papers	Algebra and
	(charts and graphs,	Converting between	of money	probability scale		Numeracy
	mean & range)	units of length	Calculations with	Calculating simple	Past paper questions	Understanding and
YEAR 10	Place value	Volumes of cubes and	money	probabilities of	Problem solving	using formulae in
Functional Skills	Multiply and divide by	cuboids	Fractions and	single events	questions	words
Level 1	10,100, 1000	Understanding and	Percentages of	Using scales and	Exam technique	Substitution
	Non-calculator methods	using different views	amount	scale drawing		The order of
	for the 4 basic	Basic angle facts	Read, order &	Understand and use		operations
	operations	Compass point	compare fractions	basic ratio and		Estimation
	Rounding		The 4 operations	proportion		
	Squaring		with decimals			
	The order of operations					
	Constructions and Loci	Shape, Space &	Number	Algebra	Revision and	If Year 10:
	Construction of triangles,	Angles	Standard form	Sequences	GCSE Exams if Year	Shape, Space and
	angles and bisectors	Properties of 2D	Review number	Plotting and	11	Angles
		shapes including	terminology and	Factorising		Trigonometry (non-
	Vectors	circles	prime	quadratics	Review and practice	right angled
GCSE Year 2	Understanding and using	Complementary,	factorization	.	of GCSE style	triangles)
(Year 10 or 11)	2-D vector terminology	supplementary and	Laws of Indices	Proportionality	questions if year 10	
		angles around a point	Estimating square	Review of graphing		
		Angles in polygons	roots Deview of	Graphing direct and		
		Angles at parallel lines	Review OI fractions desimals	indirect proportion		
		Trigonometry (right	and percentages	1		
		angled triangles)	and percentages			
		Angles in polygons Angles at parallel lines Bearings Trigonometry (right	roots Review of fractions, decimals and percentages	Graphing direct and indirect proportion		

		(Trigonometry all triangles if Year 11 and appropriate circle theorems if Year 11 and appropriate)	Data & Statistics Review			
	The calendar and time	Ratio & Fractions	Review of Entry	Complete in class	Monev	
	Converting between	Parts of a whole	Level topics	tests and classwork	Calculator and non-	
	time periods	Counting in fractional	•	for submission in	calculator	
	Telling time	increments		Early/mid May	calculations	
	Understanding and using				involving money	
	time and the calendar			Begin FS Level 1:	Problem solving and	
				Money	word problems	
YEAR 11 Entry				Calculator and non-	based in real life	v
vears – vear 2				calculator	scenarios	Λ
,				calculations		
				involving money	Time	
				Problem solving	Reading timetables	
				and word problems	Solving problems	
				based in real life	involving	
				scenarios	calculations with	
		-			periods of time	
	Data and statistics	Geometry	Probability,	Ratio and	Application of skills	
	Numeracy	Perimeter & area of	Fractions,	Proportion &	& practice of	
	Working with discrete	rectangles and shapes	Decimals and	Algebra	Functional Skills past	
	data (aborto and graphs	made from rectangles	Percentages	Using scales and	papers	
YEAR 11	(charts and graphs,	Converting between	Using the	scale urawing	F	
Functional Skills	mean & range)	units of length Volumes of subes and	Colculating scale	Understand and use	Exam	х
Level 1	Place value	volumes of cubes and			Dact paper quartiens	
	10 100 1000	Lindorstanding and	probabilities of	Proportion Understanding and	Past paper questions	
	Non-calculator methods	using different views	Converting units		auestions	
	for the 4 hasic	Basic angle facts	of money	words	Fxam technique	
	operations	Compass point	or money			

	Rounding		Calculations with			
	Squaring		money			
	The order of operations		Fractions and			
			Percentages of			
			amount			
			Read, order &			
			compare fractions			
			The 4 operations			
			with decimals			
	Data and statistics	Geometry	Probability,	Ratio and	Application of skills	
	Numeracy	Co-ordinates	Fractions,	Proportion &	& practice of	
	Calculating mean,	Nets	Decimals and	Algebra	Functional Skills past	
	median, mode and range	Perimeter of circles	Percentages	Calculations using	papers	
	from discrete data	Areas of triangles,	Calculate	ratio as week as		
	Working with grouped	circles and composite	probabilities of	direct and indirect	Exam	
	data including estimating	shapes	combined events	proportion		
	mean and median	Volume and surface	Given probabilities		Past paper questions	
	Working with scatter	area of prisms	as fractions,	Evaluate	Problem solving	
	diagrams		decimals or	expressions using	questions	
YEAR 11			percentages	substitution	Exam technique	
Functional Skills	Order of operations		Convert between,	Use formulae to		
Level 2	Calculations with		order and	solve real life		
	decimals (focusing on		compare fractions,	problems		
	money) and negative		decimals &			
	numbers		percentages			
			Calculate fractions			
			& percentages of			
			amounts			
			Write one value as			
			a fraction or			
			percentage of			
			another			

GCSE Year 3	Angles Circle theorems Geometric proofs Shape and Space Review and any higher level content not previously covered	Algebra Review and any higher level content not previously covered	Number, Ratio and Proportion Review and any higher level content not previously covered	Revision	Revision and Exams	Х
YEAR 12 Functional Skills Level 1	Data and statistics Numeracy Working with discrete data (charts and graphs, mean & range) Place value Multiply and divide by 10,100, 1000 Non-calculator methods for the 4 basic operations Rounding Squaring The order of operations	Geometry Perimeter & area of rectangles and shapes made from rectangles Converting between units of length Volumes of cubes and cuboids Understanding and using different views Basic angle facts Compass point	Fractions, Decimals and Percentages Converting units of money Calculations with money Fractions and Percentages of amount Read, order & compare fractions The 4 operations with decimals	Probability Ratio and Proportion Using the probability scale Calculating simple probabilities of single events Using scales and scale drawing Understand and use basic ratio and proportion	Application of skills & practice of Functional Skills past papers Past paper questions Problem solving questions Exam technique	Functional Skills exam Algebra and Numeracy Understanding and using formulae in words Substitution The order of operations Estimation
YEAR 12 Functional Skills Level 2	Data and statistics Calculating mean, median, mode and range from discrete data Working with grouped data including estimating mean and median Working with scatter diagrams	Geometry Co-ordinates Nets Perimeter of circles Areas of triangles, circles and composite shapes Volume and surface area of prisms	Numeracy and Fractions, Decimals and Percentages Order of operations Calculations with decimals (focusing on money) and	Probability Ratio and Proportion Calculate probabilities of combined events Given probabilities as fractions,	Application of skills & practice of Functional Skills past papers Past paper questions Problem solving questions Exam technique	Algebra Exam Evaluate expressions using substitution

			negative numbers	decimals or		Use formulae to
			Calculate	percentages		solve real life
			probabilities of			problems
			combined events	Calculations using		
			Given probabilities	ratio as week as		
			as fractions,	direct and indirect		
			decimals or	proportion		
			percentages			
			Convert between,			
			order and			
			compare fractions,			
			decimals &			
			percentages			
			Calculate fractions			
			& percentages of			
			amounts			
			Write one value as			
			a fraction or			
			percentage of			
			another			
	Data and statistics	Geometry	Probability,	Ratio and	Application of skills	
	Numeracy	Perimeter & area of	Fractions,	Proportion &	& practice of	
	Working with discrete	rectangles and shapes	Decimals and	Algebra	Functional Skills past	
	data	made from rectangles	Percentages	Using scales and	papers	
	(charts and graphs,	Converting between	Using the	scale drawing		
	mean & range)	units of length	probability scale	Understand and use	Exam	
Functional Skills	Place value	Volumes of cubes and	Calculating simple	basic ratio and		x
Level 1 & 2	Multiply and divide by	cuboids	probabilities of	proportion	Past paper questions	
	10,100, 1000	Understanding and	single events	Calculations using	Problem solving	
	Non-calculator methods	using different views	Calculate	ratio as week as	questions	
	for the 4 basic	Basic angle facts	probabilities of	direct and indirect	Exam technique	
	operations	Compass point	combined events	proportion		
	Rounding	Co-ordinates	Given probabilities			
	Squaring	Nets	as fractions,			

The order of operations	Perimeter of circles	decimals or	Understanding and	
Calculating mean,	Areas of triangles,	percentages	using formulae in	
median, mode and range	circles and composite		words	
from discrete data	shapes	Converting units	Evaluate	
Working with grouped	Volume and surface	of money	expressions using	
data including estimating	area of prisms	Fractions and	substitution	
mean and median		Percentages of	Use formulae to	
Working with scatter		amount	solve real life	
diagrams		Read, order &	problems	
Calculations with		compare fractions		
decimals (focusing on		The 4 operations		
money) and negative		with decimals		
numbers		Convert between,		
		order and		
		compare fractions,		
		decimals &		
		percentages		
		Calculate fractions		
		& percentages of		
		amounts		
		Write one value as		
		a fraction or		
		percentage of		
		another		