## • Curriculum Overview Template

	Focus	Autumn 1	Autumn 2	2 Spring 1 Spring 2		Summer 1	Summer 2	
	Торіс	Consolidating year 7 and 8	Consolidating year 7 and 8	Consolidating year 7 and 8 topics	Extending knowledge onto new	Extending knowledge onto new	Extending knowledge onto new	
		topics and applying them to	topics and applying them to	and applying them to problem	topics and furthering knowledge on	topics and furthering knowledge on	topics and furthering knowledge	
		problem solving questions	problem solving questions	solving questions	existing topics	existing topics	on existing topics	
	Кеу	Calculating with	Averages from grouped	Linear graphs	Enlargement	Indices	Mean	
	concepts/ide	fractions	data	Perimeter and area	Fractions, Decimals,	Checking solutions to	Inequalities	
	as	Formulae	Percentage increase	Two way table	Percentages	calculations	Compound measures	
		Lines and angles	and decrease	Ratio	Probability	Scatter graphs	Reciprocals, factors and multiples	
		Probability	Linear equations	Plans and elevations	Linear functions	Pythagoras and trigonometry	Changing the subject of a formula	
		Fractions and	Circles	Using a calculator	Angles in polygons	Quadratic graphs	Loci	
		percentages	Surveys	Transformations	Real life graphs			
		Brackets	Calculating with					
		Constructions	decimals					
	Key skills	Calculating with	Averages from grouped	Linear graphs- use tables	Enlargement- using	Indices- use index laws and	Mean- calculate the mean from a	
		fractions- all 4	data- calculate mode	to plot linear graphs	fractional and integer scale	the zero index, negative	grouped frequency diagram	
		operations	from grouped data,	Perimeter and area-	factors, recognise	powers	Inequalities- solve, represent on	
		Formulae- use and	mean from tabulated	calculate the perimeter	congruency, convert	Checking solutions to	numberlines	
6		generate simple	data, compare	and area of 2-D shapes,	between units of	calculations	Compound measures- use rates	
ĥ		formulae, substitution,	distributions	find the surface area of	area/volume	Standard form- convert	and compound measures e.g.	
ät		Lines and angles-	Percentage increase	simple solids	Fractions, Decimals,	between ordinary numbers	speed/density/rates of pay and	
Ja		understand and use the	and decrease- using	I wo way table- design	Percentages- know the	and standard form	corresponding units	
2		angle properties of	multipliers	and use two way tables	difference between	Scatter graphs- draw,	Reciprocals, factors and multiples-	
5		parallel and intersecting	Linear equations- set up	for grouped and discrete	terminating and recurring	Interpret, draw lines of	find the LCM, HCF, prime factor	
e		lines Drobability mutually	and solve linear	data Datia cimplifying	decimais, converting, find	best fit, comment on	decomposition	
<u> </u>			equations with integer	Ratio- simplifying,	percentage change, simple	Correlation	Changing the subject of a formula	
Hi		Eractions and	unknowns on both sides	dividing into a given ratio		Pythagoras' theorem find	and shapes, complete standard	
			and with brackets)		Probability, theoretical and	angles/sides in right angled	constructions such as	
σ		one quantity as a	Circles- name parts of a	drawing and recognising	experimental probabilities	triangles using trigonometry know	perpendicular hisector, hisect an	
<u> </u>		fraction/percentage of	circle, find	2-D representations of 3-	tree diagrams	exact values	angle etc	
g		another	area/circumference of	D shapes	Linear functions- plot linear	Ouadratic and cubic graphs-		
Y		Brackets- Expand and	circles (and	Using a calculator	graphs, gradient, find the	generate coordinates, plot graphs.		
-		factorise simple	sectors/arcs)	Transformations- translation,	equation of a line	solve graphically. Plot reciprocal		
		expressions	Surveys- design and	reflection and rotation,	Angles in polygons- use	graphs		
		Constructions- Construct	criticise questions, no	add/subtract vectors, draw	interior/exterior angle rules			
		triangles, polygons and nets	limitations of sampling,	vectors and multiply a vector by a	in polygons			
			exam results of a	scalar quantity	Real life graphs- Inverse and			
			statistical enquiry		direct proportion, draw and			
			Calculating with decimals- 4		interpret graphs modelling			
			operations with decimals		real life situations			
			without a calculator					
	Кеу	Mixed, Improper, Denominator,	Mode, Mean, Distribution,	Plot, Linear, Perimeter, rea,	Enlargement, Scale factor, SSS, SAS,	Index, Indices, Power, Correlation,	Mean, Grouped frequency,	
	terms/vocab	Numerator, Expression,	Multiplier, Coefficient,	Surface Area, Discrete,	ASA, RHS, Congruence, Terminating,	Sin, Cos, Tan, Pythagoras	Inequality, Density, Speed,	
		Substitution, Formulae, Parallel,	Circumference, Radius,	Continuous, Ratio, Plan,	Recurring, Simple interest,	Trigonometry, Quadratic, Cubic,	Reciprocals, Factors, Multiples,	
		Intersecting, Alternate,	Diameter, Chord, Tangent, Arc,	Elevation, Translation, Vector,	Compound interest, Reverse	Reciprocal, SOlution	LCM, HCF, Prime, Subject,	
		Corresponding, Interior,	Segment, Sector, Bias,	Rotation, Reflection, Scalar	percentage, Tree diagrams,		Perpendicular, Bisect, Construct,	
		Vertically opposite, Mutually	Population, Sample		Gradient, y intercept, Exterior,		Loci	
		exclusive, Outcomes, Factorise,			Interior, Direct, Inverse			
		Expand, Polygons, Nets						

Indepe	pendent	For more support and lots of	For more support and lots of	For more support and lots of			
learnir	ing /	practice questions go to	practice questions go to	practice questions go to			
wider	r reading	www.mymaths.co.uk	www.mymaths.co.uk	www.mymaths.co.uk	www.mymaths.co.uk	www.mymaths.co.uk	www.mymaths.co.uk
Assess	ssment	Problem solving task	Autumn test on topics studied	Problem solving task	Spring test on topics studied so far	Summer test on topics studied so	Problem solving task
			so far			far	
Career	ers links	Finance, Biologist, Chemist,	Finance, Biologist, Chemist,	Finance, Biologist, Chemist,	Finance, Biologist, Chemist, Physicist,	Finance, Biologist, Chemist,	Finance, Biologist, Chemist,
		Physicist, Business Analyst,	Physicist, Business Analyst,	Physicist, Business Analyst,	Business Analyst, Forecaster,	Physicist, Business Analyst,	Physicist, Business Analyst,
		Forecaster, Computer scientist	Forecaster, Computer scientist	Forecaster, Computer scientist	Computer scientist	Forecaster, Computer scientist	Forecaster, Computer scientist

	Focus	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Торіс	Consolidating year 7 and 8 topics and	Consolidating year 7 and 8 topics	Consolidating year 7 and 8	Extending knowledge on topics	Extending knowledge	Extending knowledge on
		applying them to problem solving	and applying them to problem	topics and applying them to	studied in y7,8 and the first part	on topics studied in y7,8	topics studied in y7,8 and
		questions	solving questions	problem solving questions	of year 9	and the first part of year	the first part of year 9
						9	
	Key concepts/ideas	Negative numbers	Multiplication and division	Coordinates	Rounding and	Formulae	Proportion
		Probability words and the	Rounding	Conversion graphs	estimation	Equations	Map, scale
		probability scale	Recognising shapes, solids	Reflection and	Fractions, Decimals and	Sequences	drawings and
		Fractions	and parts of circles	rotational symmetry	percentages	Average and	bearings
		Ivieasures and scales	Angles	Averages and Range	Collecting like terms	range	Probability
		introducing patterns and	Formula	Representing data	Properties of triangles	3-D snapes	Ple Charts
		Introducing perceptages as	Order of operations	volume	Enlargement and	Adding and	
		operators	Two way tables	Ordering decimals	similarity	fractions	
		Function machines and	Fractions Decimals	Eactors and multiples	Squares and cubes	Real life granhs	
		equations	Percentages	ractors and multiples	Negative numbers		
		Addition and Subtraction	refeetinges				
		Maps and plans					
S		Permutations and					
<u> </u>		combinations					
n Mat							
	Key skills	Negative numbers- ordering,	Multiplication and division-	Coordinates- plotting	Rounding and	Formulae-	Proportion- Direct
		solving problems, temperature	integers including powers of 10,	and identify in all 4	estimation- round to	substituting and	proportion
		change	without a calculator	quadrants	decimal places and	deriving	Map, scale
<u>.</u>		Probability words and the	Rounding- to powers of ten	Conversion graphs-	significant figures,	Equations-	drawings and
at		probability scale- understand	Recognising shapes, solids	construct and interpret	estimate	solving and	bearings-
ğ		and use vocabulary and scale	and parts of circles	in a variety of	Fractions, Decimals and	exploring	estimating areas,
2		Fractions- fractions of amounts	Angles- measure and draw	applications	percentages- recognise	methods of	interpreting
		Measures and scales-	all types of angle, calculate	Reflection and	equivalent fractions,	solving	maps/scale
L L L		converting in metric measures	missing angles using angle	rotational symmetry-	change between	Sequences-	drawings, drawing
		ad interpreting scales	Time, calculate the time	perform reflections,	fractions, percentages	rule and oth	Dearings Probability listing
0,		sequences- recognise special	intervals start/finish times	rotational symmetry	of amounts	term	
		sequences such as Fibonacci	Formula- substitution	Averages and Range-	with/without a	Average and	probability from
		continue and explain	using formula	mean median mode range	calculator	range- compare	experiments
l ≻		sequences in number and	Order of operations-	Representing data-	Collecting like terms-	distributions	equally likely
		diagrams	calculate using BODMAS	draw and interpret a	simplify expressions	and reviewing	outcomes
		Introducing percentages as	Two way tables- extract	range of data	Properties of triangles	averages	Pie Charts- construct and
		operators- calculate	and use information from	tables/charts/diagrams	and quadrilaterals-	3-D shapes-	interpret
		percentages of amounts	two-way tables, create two	Perimeter, Area and	missing angles in	Isometric	
		Function machines and	way tables, use Venn	volume	triangles/quadrilaterals,	drawing, nets,	
		equations- calculate	diagrams to record and	Ordering decimals	properties of	volume	
		inputs/outputs, solve equations	sort information	Factors and multiples-	quadrilaterals	Adding and	
		with unknowns on one side	Fractions, Decimals,	identify factors and	Enlargement and	subtracting	
		Addition and Subtraction- with	Percentages- Convert	multiples, identify	similarity- enlarging shapes and	fractions- with	
		decimals and integers	between	prime and common	identifying similar/congruent	differing	
		Maps and plans- grid		factors	shapes	denominators	
		references, compass points,			Squares and cubes-	Real life graphs-	
		reading maps, direction			understand	create and	
		Permutations and			square/cube/roots	interpret in a	
		combinations- listing outcomes			negative numbers-	variety of	
					performing the 4	applications	
					operations		

Key terms/vocab	Positive, Negative, Certain, Likely,	Powers, Polygons, Isosceles,	Quadrants, Reflection, Rotation,	, Significant figures, Improper	Substitution, Derive,	Direct proportion, Scale,
	Events, Even chance, Unlikely,	Equilateral, Scalene, Radius,	Mean, Median, Mode, Range,	fractions, Equivalent,	Ter, Nth term, Position,	Bearing, Outcomes,
	Impossible, metres, millimetres,	Diameter, Circumference, Cylinder,	Discrete, Pictogram, Perimeter,	Expressions, Simplify, Square,	Mode, Median, Mean,	
	centimetres, kilometres, litres,	Cone, Cuboid, Sphere, Cube,	Area, Volume, Factors,	Rectangle, Trapezium,	Range, Distribution,	
	millilitres, grams, kilograms, tonne,	Obtuse, Reflex, Acute, Substitution,	Multiples, Primes	Rhombus, Parallelogram, Kite,	Isometric, Volume,	
	Fibonacci, Arithmetic, Geometric,	Formulae, BODMAS, Venn diagram,		Similar, Congruent, Square,	Denominators,	
	Equation, Solve, Input, Output,			Cube, Root	Intermediate values,	
	Decimals, Integers, Clockwise,				Velocity,	
	Anticlockwise,					
Independent learning /	For more support and lots of practice	For more support and lots of	For more support and lots of	For more support and lots of	For more support and	For more support and lots
wider reading	questions go to www.mymaths.co.uk	practice questions go to	practice questions go to	practice questions go to	lots of practice	of practice questions go to
		www.mymaths.co.uk	www.mymaths.co.uk	www.mymaths.co.uk	questions go to	www.mymaths.co.uk
					www.mymaths.co.uk	
Assessment	Problem solving task	Autumn assessment on topics	Problem solving task	Spring assessment on topics	Summer assessment on	Problem solving task
		covered so far in year 9		covered so far	topics covered so far	
Careers links	Finance, Biologist, Chemist, Physicist,	Finance, Biologist, Chemist,	Finance, Biologist, Chemist,	Finance, Biologist, Chemist,	Finance, Biologist,	Finance, Biologist,
	Business Analyst, Forecaster, Computer	Physicist, Business Analyst,	Physicist, Business Analyst,	Physicist, Business Analyst,	Chemist, Physicist,	Chemist, Physicist,
	scientist	Forecaster, Computer scientist	Forecaster, Computer scientist	Forecaster, Computer scientist	Business Analyst,	Business Analyst,
					Forecaster, Computer	Forecaster, Computer
					scientist	scientist