Y9 Autumn HT 1 -	Y9 Autumn HT 2 -	Y9 Spring HT 1 -	Y9 Spring HT 2 -	Y9 Summer HT 1 -	Y9 Summer HT 2 -
Unit 1: Straight Line	Unit 4: Three Dimensional	Unit 6 : Numbers	Unit 9 : Deduction	Unit 12 : Enlargement and	Unit 15 : Probability
Graphs	Shapes	Offic o : Numbers	Offic 9 : Deduction	similarity	Office 15 : 170bability
Graphs	<u>Shupes</u>	- Integers, real and	- Angles in parallel lines	<u>simmarity</u>	- Single event probability
- Lines parallel to the axes,	- Know names of 2-D and	rational numbers	Solving angles problems	- Recognise enlargement	- Relative frequency –
y = x and $y = -x$	3-D shapes	- Understand and use	(using chains of reasoning)	and similarity	include convergence
- Using tables of values	- Recognise prisms	surds	- Angles problems with	- Enlarge a shape by a	- Expected outcomes
- Compare gradients	- Accurate nets of cuboids	- Work with directed	algebra	positive integer scale	- Independent events
- Compare intercepts	and other 3-D shapes	number	- Conjectures with angles	factor	- Use tree diagrams
- Understand and use $y =$	- Sketch and recognise	- Solve problems with	- Conjectures with shapes	- Enlarge a shape by a	- Use tree diagrams to
mx + c	nets of cuboids and other	integers	- Link constructions and	positive integer scale	solve 'without
- Write an equation in the	3-D shapes	- Solve problems with	geometrical reasoning	factor from a point	replacement' problems
form $y = mx + c$	- Plans and elevations	decimals		- Enlarge a shape by a	- Use diagrams to work
- Find the equation of a	- Find area of 2-D shapes	- HCF and LCM		positive fractional scale	out probabilities
line from a graph	- Surface area of cubes	- Adding and subtracting	Unit 10 : Rotation and	factor	·
- Interpret gradient and	and cuboids	fractions	translation	- Enlarge a shape by a	Unit 16 : Algebraic
intercepts of real-life	- Surface area of triangular	- Multiplying and dividing		negative scale factor	Representation
graphs	prisms	fractions	- Identify the order of	- Work out missing sides	
-Model real-life graphs	- Surface area of a cylinder	- Solving problems with	rotational symmetry of a	and angles in a pair of	- Draw and interpret
involving inverse	- Volume of cubes and	fractions	shape	given similar shapes	quadratic graphs
proportion	cuboids	- Numbers in standard	- Compare and contrast	- Solve problems with	- Interpret graphs,
- Explore perpendicular	- Volume of other 3-D	form	rotational symmetry with	similar triangles	including reciprocal and
lines	shapes – prisms and		line symmetry	- Explore ratios in right-	piece-wise
	cylinders	Unit 7: Using Percentages	- Rotate a shape about a	angled triangles	- Investigate graphs of
Unit 2 : Forming and	- Explore volumes of		point on a shape		simultaneous equations
Solving Equations	cones, pyramids and	- Use the equivalence of	- Rotate a shape about a	Unit 13: Solving ratio and	- Represent inequalities
	spheres	fractions, decimals and	point not on a shape	proportion problems	
- Solve one- and two-step		percentages	- Translate points and		
equations and inequalities	Unit 5: Constructions and	- Calculate percentage	shapes by a given vector	- Solve problems with	
- Solve one- and two-step	<u>Congruency</u>	increase and decrease	- Compare rotation and	direct proportion	
equations and inequalities		- Express a change as a	reflection of shapes	- Direct proportion and	
with brackets	- Draw and measure	percentage	- Find the result of a series	conversion graphs	
- Inequalities with	angles	- Solve 'reverse'	of transformations	- Solve problems with	
negative numbers	- Construct and interpret	percentage problems		inverse proportion	
- Solve equations with	scale drawings	- Recognise and solve	<u>Unit 11 : Pythagoras'</u>	- Graphs of inverse	
unknowns on both sides	- Locus of distance from a	percentage problems	<u>theorem</u>	relationships	
- Solve inequalities with	point Locus of distance	(non-calculator)		- Solve ratio problems	
unknowns on both sides	from a straight line/shape	-Recognise and solve	- Squares and square roots	given the whole or a part	
- Solving equations and	- Locus equidistant from	percentage problems	Identify the hypotenuse of	- Solve 'best buy'	
inequalities in context	two points	(calculator)	a right-angled triangle	problems	

- Substituting into	- Construct a	- Solve problems with	- Determine whether a	- Solve problems ratio and	
formulae and equations	perpendicular bisector	repeated percentage	triangle is right-angled	algebra	
- Rearrange formulae	- Construct a	change	- Calculate the hypotenuse		
(one-step)	perpendicular from a		of a right-angled triangle		
- Rearrange formulae	point	Unit 8: Maths and Money	- Calculate missing sides in	Unit 14 : Rates	
(two-step)	- Construct a		right-angled triangles		
- Rearrange complex	perpendicular to a point	- Solve problems with bills	- Use Pythagoras theorem	- Solve speed, distance	
formulae including	- Locus of distance from	and bank statements	on coordinate axes	and time problems	
brackets and squares	two lines	- Calculate simple interest	- Explore proofs of	without a calculator	
	- Construct an angle	- Calculate compound	Pythagoras' theorem	- Solve speed, distance	
Unit 3: Testing	bisector	interest	- Use Pythagoras' theorem	and time problems with a	
<u>Conjectures</u>	- Construct triangles from	- Solve problems with	in 3-D shapes	calculator	
	given information	Value Added Tax		- Use distance/time graphs	
- Factors, Multiples and	- Identify congruent	- Calculate wages and		Solve problems with	
Primes	figures	taxes		density, mass and volume	
- True or False?	- Explore congruent	- Solve problems with		- Solve flow problems and	
- Always, Sometimes,	triangles Identify	exchange rates		their graphs	
Never true	congruent triangles	- Solve unit pricing		- Rates of change and their	
- Show that		problems		units	
- Conjectures about				- Convert compound units	
number					
- Expand a pair of					
binomials					
- Conjectures with algebra					
- Explore the 100 grid					
- Expand three binomials					