Suhi	ect.	Maths	
JUN	CCC.	widths	

Date: 19/5/2022

**Developed by: T Lunel** 

**Overall department INTENT** 

The Maths Department at BGN aims to teach all students how to use numbers effectively in everyday life as well as equipping them with the skills to gain GCSE Maths in Year 11.

Year 9 INTENT We are guided by four underlying principles: high expectations for every child; depth before breadth; number sense and place value come first; problem solving at the heart of the subject."

		IMPLEMENT	ATION		
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Solve word problems	Explain and investigate	Geometry	Fractions	Applications of	Percentage and
(add and subtract)	(multiply and divide)			algebra	statistics
Place value (including	Factors and multiples	Draw and measure	Equivalent fractions	Order of applications	Construct and
decimals)		angles			interpret statistical
	Multiply and divide		Compare and order	Substitution	diagrams including
Add and subtract	(including decimals)	Find unknown	fractions and		pie charts
(including decimals)		angles (straight	decimals	Form and simplify	
	Area of rectangle,	lines, at a point,		algebraic expressions	Convert between
Rounding	triangle and	vertically opposite)	Change mixed		percentages, vulgar
	parallelogram		numbers to improper	Expand over a single	fractions and
Perimeter		Properties of	fractions and vice	bracket and factorise	decimals
	Calculate the mean	triangles and	versa		
Mental strategies		quadrilaterals		Sequences (term-to-	Percentage of a
	Further mental		Fraction of a quantity	term, not nth term)	quantity
	strategies	Unit conversions			
		(linear)	Multiply and divide		Find the while, given
			fractions		the part and the
		Symmetry and			percentage

	Year 8 INTENT						
То	To teach the Year 8 content of the Maths Mastery curriculum						
			tessellation				

IMPLEMENTATION						
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	

Number	Algebraic expressions	Geometry	Proportional	Geometry	Statistics
			Reasoning		
Primes & indices	Order & calculate with	Construct triangles		Use of significant	Collect & organise
	negative numbers	& quadrilaterals	Percentage increase	figures and	data, including
Prime factorisation,			& decrease, including	estimation	surveys
squares & cubes	Form & solve linear	Calculate unknown	multipliers		
	equations (unknowns	angles (including		Circumference &	Interpret & compare
Use of Venn	on one side)	parallel lines)	Reverse percentage	area of a circle	statistical
diagrams to find HCF			problems		representations
and LCM	Use more complex	Unit conversions		Visualise & identify	
	algebraic expressions	(including area)	Ratio (equivalent, of	3D shapes and their	Mean, mode &
Add & subtract			a quantity) and rate	nets	median averages
fractions	Linear sequences: nth	Area of a			
	term rule	trapezium	Scaling and	Volume of a cuboid,	Range & outliers
			multipliers	prism, cylinder and	
		Areas & perimeters		composite solids	
		of composite	Speed, distance, time		
		figures		Surface area	

			Year 9 INT	ENT		
To	teachthe Prear flor	ntente of the Maths M	asterge Gurriculum	Equations &	Geometry	Statistics
			,	Inequalities	,	
	Cartesian	Sequences including	Construction and		Pythagoras' theorem	Mean of grouped
	coordinates including	arithmetic & geometric	loci	Construct & solve		data
	midpoint of a line			equations &	Transformations	
	segment	Expand binomials &	Congruence and	inequalities	(translation,	Compare two data
		factorise simple	similarity		rotation, reflection	sets
	Linear graphs	quadratics		Graphical solutions	and enlargement)	
			Angles in polygons	of simultaneous		Histograms
	Direct & inverse	Change the subject of		equations	Use known angle and	
	proportion	familiar formulae	Properties of		shape facts to obtain	Cumulative
			shapes	Quadratics and other	simple proofs	frequency graphs and
	Calculate with scales			graphs		box plots
			Bearings		Probability	
	Standard form					Scatter graphs
						Exploring
						trigonometry

	Year 10 INTENT								
	Year 10 INTENT								
To	To teaglesthe Year 10 contentinates and GOSE statigencenvages cancel proportion Basic probability Calculating with								
		graphs				percentages			
	Scale diagrams &		Perimeter & area	Properties of	Transformations				
	bearing	Basic decimals		polygons		Measures			
			Circumference &		Congruence &				
	Basic number	Rounding	area of circles	Equations	similarity	Statistical measures			
	Factors & multiples	Collecting &	Real life graphs	Indices	2D representations	Constructions & loci			
		representing data			of 3D shapes				
	Basic algebra			Standard form					
		Sequences							
	Basic fractions								

MPLEMENTATION						
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	

	Angles scale	Rounding	Perimeter & area	Fauations	Transformations	Calculating with			
	Year 11 INTENT								
To	o teach the Year 11 contraction the AQA GCSE Foundation Maths curriculum								
	Basic number, factors	representing data	area of circles		similarity	Statistical measures			
	& multiples			Surds	,				
		Sequences	Real life graphs		2D representations	Construction & loci			
	Basic algebra			Basic probability	of 3D shapes				
		Basic percentages	Ratio & proportion						
	Fractions & decimals			Standard form					
			Properties of						
	Coordinates & linear		polygons	Measures					
	graphs								

Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Probability	Inequalities	Trigonometry	Solving quadratics	Revision	Revision
Volume	Pythagoras' theorem	Sketching graphs	Quadratic graphs		
Algebra: quadratics, identities &	Simultaneous equations	Direct & inverse proportion	Growth & decay		
rearranging formulae	Alachus 8 aranha		Vectors		
Scatter graphs	Algebra & graphs		Mock exams		
	Mock exams				

IMPLEMENTATION							
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6		

	Prohability   Scatter granhs   Sketching granhs   Growth & decay   Gradients & rates of   Revision								
То	o teach the Year 11 content of the AQA GCSE High er Maths cyrriculum								
	Algebra: quadratics,	graphs	proportion	Transforming	Pre-calculus & area under a curve				
	and identities	equations	Numerical	Sine & cosine rules	Revision				
	Pythagoras' theorem & basic trigonometry	Circle theorems	methods	Algebraic fractions					
		Mock exams	Equation of a circle	Mock exams					