All Saints' Academy Mathematics KS3 Curriculum

Cycle	7			8			9		
	Knowledge & Skills	Enrichment	Cross- Curricular	Knowledge & Skills	Enrichment	Cross- Curricular	Knowledge & Skills	Enrichment	Cross- Curricular
	Number	Fortnightly		Number		LIFE	Algebra	Frogs Project	
	Positive and	Number		Factors & Multiples;		Programme:	Factorising;		
	Negative Integers;	Challenge		Rounding & Estimation;		Estimate the	Expanding double		PE:
	Place Value			Error Intervals;		cost of a typical	brackets;		Look at the
	Algebra			Percentage	Smoothies	weekly shop by	Rearranging formulae;		flight of a ball
	Simplifying and		Physics:	increase/decrease.	Project	rounding to	Linear, quadratic,		as a quadratic
1	collecting terms;		Finding	Ratio		nearest pound	reciprocal and		parabolic
1	Simple equations		Potential	Dividing ratio into parts;		Physics:	exponential graphs;		shape Art:
			Difference,	Scale factors & scale		Share the	Graphical solution of		Look at Art
			Current and	diagrams;		potential	straight line equations;		which can be
			Resistance by rearranging	Speed – distance – time.		difference	Geometric Sequences.		generated by
			V=IR			across two			various
	End of Module			End of Module		resistors in a	End of Module		number
	Assessment			Assessment		series circuit	Assessment		sequences
Careers	Accountancy Jobs			Architecture			Data Scientist		
	Number			Algebra	Algebra		Geometry		
	Equivalence of			Substitution into	Challenge		Line segments;	UKMT	
	fractions;			formulae and			Constructions;	Intermediate	
	Four operations on			expressions;			Volume and surface area	Maths	DT:
	fractions;			Multiplying over a single			of prisms, cylinders and	Challenge	Look at the
	Percentages and		Geography:	bracket;			composite solids		strength of
	FDP, simple	Showersave	Use examples	Solving linear equations;		Physics:	Transformations;		triangles. Technical
2	percentage	Project	of populations	Plotting and sketching		Look at the	Similar & Congruent		drawing
	increase.		and demographic	linear functions;		straight-line	triangles;		aspects of
	Statistics	1	to consider bar charts	y = mx + c;		graph for Hook's Law	Pythagoras' Theorem;		mathematical
	Line and bar charts;			Sequences and nth term.			Euler's Formula and		constructions
	Averages.						Solid shapes.		
				End of Module Test			End of Module Test		
	End of Module Test			Assessment			Assessment		
	Assessment								
Careers	rs Financial Advisors Job			Research Scientist			Carpentry		

3	Geometry Types of angle, angles in parallel lines & triangles; Transformations - translation, reflection, rotation; Symmetry & Congruence; Perimeter & Area.	UKMT Junior Maths Challenge	Business Studies: Look at use of farming space	Geometry Quadrilaterals; Polygons and angles; Area and perimeter of quadrilaterals; Circumference & Area of Circles Statistics Pie charts; Scatter graphs.	UKMT Junior Maths Challenge	Geography/ Physics: Circumference and radius of Earth and other planets Business Studies/ Geography: Look at % spend of GDP by Government	Probability Simple probability and experiments; Sum of outcomes; Sample space diagrams; Venn diagrams. Statistics Discrete, continuous and grouped data; Measures of Central		LIFE Programme: Look at simple probabilities of gambling English:
	End of Module Test Assessment		farming space and profit and expenditure	Scatter graphs. End of Module Test Assessment			Measures of Central Tendency. End of Module Test Assessment		Text Analysis comparison of similar texts
Careers	Computer Games Designer			Animator			Actuary		