YEAR 9 MATHEMATICS CURRICULUM MAP 2022-2023								
AUTUMN TERM		SPRING TERM		SUMMER TERM				
TERM 1	TERM 2	TERM 1	TERM 2	TERM 1	TERM 2			
 INTRODUCTION LESSONS Calculator skills ANGLES & SHAPES Measure and draw angles Estimate angles Types of angle Angle facts- parallel lines, angles in polygons, bearings Congruence* NUMBER 1 Ratio, simplifying, scaling up / down, splitting into ratio, link with fractions Convert units Recurring decimals* TRANSFORMATIONS Symmetry linear and rotational Rotate, reflect, translate, enlarge Describe transformations Length area volume scale factors* 	 EQUATIONS Simplify expressions Solve linear equations Inequalities Solve simultaneous equations Expand and factorise quadratics* PROBABILITY Use probability scale Experimental probability Use sample space diagrams Bias, relative frequency Combined events NUMBER 2 Multiply and divide by powers of 10 Order decimals Round numbers Related calculations and estimation Standard index form* DATA HANDLING Mean mode median range Stem and leaf diagrams Scatter diagrams frequency polygons Box plots 	 AREA & PERIMETER Find perimeter and area of shapes by counting Use formulas to find A & P Parts of circles Pythagoras* Volume of cuboids Intro to trigonometry* NUMBER 3 Factors multiples and types of number Add and subtract fractions Prime factor decomposition Index notation Index laws* 	 SEQUENCES, FUNCTIONS & GRAPHS Function machines Horizontal and vertical straight line graphs Term to term sequences Plot simple linear functions Linear graphs Y = mx + c Parallel and perpendicular lines Quadratics sequences * Simultaneous equations * NUMBER 4 – Financial Capability Percentages Percentage to fraction FDP % increase and decrease Interest Find original amount *higher GCSE content	 NUMBER 4 – Financial Capability Extend concepts to financial themes Exam Revision Sequenced and planned out schedule for revision of topics from year of teaching Revision techniques and past papers completed in lesson 	 START GCSE Set 4 – Types of number and basic algebra Set 3 - Pythagoras, types of number, algebra Set 2 – Probability trees, quadratics, equations Set 1 – Vectors, quadratics, graphs, trigonometry PROBLEM SOLVING LESSONS Teachers have an opportunity to use problem solving tasks and lessons to allow the year 9s to engage in project work and problem solving lessons Resources recommended to be used Lower ability sets to go back over skills and topics from the year Teachers given autonomy 			
ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT			
	Topic assessment 1 Angles & shape Number 1 Transformations 	Topic Assessment 2 • Equations • Number 2 • Key skills	Topic Assessment 3 Perimeter & Area Number 3 Key skills		End of year synoptic assessment Week 1 of term			

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