🧟 Park Community School Key Stage 3 Curriculum map 🛛 🎓								
	Year 7	Year 8	Year 9					
Inten (DN) d	ntention: 1. logical reasoning and problem solving 2. fluency 3. functionality. Mastery approach whereby all students can be successful at mathematics. Use of bar models (BM), ratio tables (RT) and double number lines (DN) central strategies to building fluency and problem solving across a range of topics.							
Impact	Impact Baseline: SAT arithmetic scores + CATs Impact Formative: Exit tickets + Low stakes progress quizzes + Fortnightly MCQ's Impact summative: Termly progress test + EOY test Homework: Online platform for retrieval practice exercises and interleaving							
Autumn	Algebraic thinking - Sequences	Reasoning with number – Prime numbers and proof	Reasoning with number – Numbers					
	Algebraic thinking - Understand and use algebraic notation	Reasoning with number - Sets and probability	Reasoning with algebra – Straight line graphs (RT)					
	Algebraic thinking – Equality and equivalence (BM)	Proportional reasoning – Ratio and scale (RT)	Reasoning with algebra – Forming and solving equations of more than 2 steps (BM)					
	The Borcagit of Havant Winneys to	Proportional reasoning – Multiplicative change (RT)	Reasoning with algebra – Testing conjectures					
	Place value and Proportion – Place value and ordering	Representations – Working on the Cartesian plane	Constructing in 2 and 3 dimensions – Three dimensional shapes					
	tegers and decimals (DN) Representations – Representing data		Constructing in 2 and 3 dimensions – Constructions and congruency					
	percentage equivalence (RT)	Representations – Tables and probability						
Spring	Reasoning with number – Developing number sense	Algebraic techniques – Brackets, equations and inequalities						
	Application of number – Solving problems with	Algebraic techniques – Sequences	Reasoning with number – Using percentages (RT, BM)					
	addition and subtraction (BM)	Algebraic techniques – Indices	Reasoning with number – Mathematics and money (RT)					
	Application of number - Solving problems with multiplication and division (BM, RT)	Developing number – Fractions and percentages (RT)	Reasoning with geometry – Rotation and translation and reflection					
	Application of numbers – Fractions and percentages of amounts (BM, RT))	Developing number – Standard index form	Reasoning with geometry – Pythagoras theorem					
	Directed number – Operations and equations	Developing number – Number sense (RT)	APPROVICE					
	Fractional thinking – Addition and subtraction of		Car Ioan					
	fractions (BM)							
Summer	Lines and angles – Constructing, measuring and using geometric notation (RT)	Developing geometry – Angles in parallel lines and polygons	Reasoning with proportion – Enlargement and similarity and using maps (RT)					
		Developing geometry - Area of trapezia and circles	Reasoning with proportion – Solving ratio and proportion problems					
	Lines and angles – Developing geometric reasoning	Developing geometry – Lines symmetry and reflection						
		Reasoning with data - The data handling cycle	Reasoning with proportion – Rates (RT)					
	Portsmouth Water	Reasoning with data – Measures of location	Algebraic representation Ouadratic and other graphs					
			Algebraic representation – Quadratic and other graphs					

	Park Community School Key Stage 4 Curriculum map 🥟						
	Year 10 Foundation	Year 10 Higher	Year 11 Foundation	Year 11 Higher			
Intention: 1. logical reasoning and problem solving 2. fluency 3. functionality. Mastery approach whereby all students can be successful at mathematics. Use of bar models (BM), ratio tables (RT) and double number lines (DN) central strategies to building fluency and problem solving across a range of topics. Starters: Retrieval practice based on QLA from most recent mock exams Homework: Online platform for retrieval practice exercises and interleaving							
Impact Formative: Exit tickets + Fortnightly Mini-mocks [cumulative 1 st 40 marks] Impact summative = Termly test + EOY tests in Year 10 Year 11 2 sets of full mocks. Pin-point personalised learning booklets post every mock throughout KS4							
Autumn	Getting ready for Key stage 4	Getting ready for Key stage 4	Graphs – Gradients and lines	Graphs – Gradients and lines			
	Similarity – Congruence, similarity and enlargement	Similarity – Congruence, similarity and enlargement	Graphs – Nonlinear graphs	Graphs – Nonlinear graphs			
	Similarity – Trigonometry	Similarity – Trigonometry	Graphs - Using graphs	Graphs - Using graphs			
	Developing algebra – Representing solutions of equations and inequalities	Developing algebra – Representing solutions of equations and inequalities	Algebra – Changing the subject	Algebra – Changing the subject			
		Developing algebra - Simultaneous equations		Algebra - Functions			
Spring	Geometry – Angles and Bearings	Geometry – Angles and Bearings	Reasoning – Multiplicative Reasoning – Geometric				
	Geometry – Working with circles	Geometry – Working with circles					
	Proportions and proportional change – Ratios and fractions	Geometry – Vectors	Reasoning – Algebraic	-14 -14 -14 - 14 - 14 - 14 - 14 - 14 -			
	Proportions and proportional change –	Proportions and proportional change – Ratios and fractions	Communication – Transforming				
	Proportions and proportional change –	Proportions and proportional change – Percentages and interest	Communication – Listing and describing	And the set of the set			
	Probability	Dronartions and propertional shange		$\frac{d_{a}}{d_{b}} \frac{d_{b}}{d_{b}} \frac{d_{b}}{d_{$			
		Probability	How to revise	40 0 × 1. 400.			
			 Key exam topics Groop popping of exam papers 				
			 Personalised maths catch up 				
Summer	Delving into data – Collecting, representing and interpreting data	Delving into data – Collecting, representing and interpreting data	GCSE "Run in"				
	interpreting data		Topics chosen for study based on QLA analysis of January mock				
	Using number – Non-calculator methods	Using number – Non-calculator methods					
	Using number – Types of number and sequences	Using number – Types of number and sequences					
	Using number – Indices and roots	Using number – Indices and roots					
	 End of year mock exams: How to revise Retrieval practice lessons Green pen follow up of exam papers PinPoint learning personalized booklets 		Walking talking mocks and half term study clubs d "Home run" lessons. Use of personalised PinPoint	elivered alongside individualised GCSE learning booklets.			