Park Community School Key Stage 3 Curriculum map ខ							
	Year 7	Year 8	Year 9				
Intention: 1. logical reasoning and problem solving 2. fluency 3. functionality. Starters: TimesTable Rockstars + Numeracy Ninjas Homework: Hegarty Maths							
Impact Baseline: SAT arithmetic scores + GL baseline + SEN numeracy tests + CATs Impact Formative: Exit tickets + Low stakes progress quiz Impact summative: Termly MCQ + end of year test							
	Taking flight:	Number:	Number:				
Autumn 1	 Number lines and sequencing Rounding dp and sig fig Perimeter of compound shapes Collect, record and present data Area of compound shapes 	 Order fractions, decimals and percentages Prime factorization HCF, LCM, Rounding, sig figs and estimation Using a calculator Inc. Standard form (conversion) 	 Use prime factorisation to calculate HCF and LCM of 2 or more numbers Use surd notation Use the product rule for counting 				
	GL assessment follow up, emphasis on number skills						
Autumn 2	Algebra: • Substitution • Form algebraic expressions and equations • Solve equations 1 and 2 step • Forming expressions and equations • Sequences (continuing and nth term)	 Algebra: Generating a set of co-ordinates Drawing linear equations Calculating gradient of a straight-line graph 	 Algebra: Expand single and double brackets Factorise algebraic expressions Solve linear inequalities 				
	Geometry and measures:	Geometry and measures:	Statistics:				
Spring 1	 Draw, measure and name acute and obtuse angles and shapes Properties of triangles and quadrilaterals Inc. use of algebra Angle reasoning Area of parallelograms and trapeziums Area of compound shapes 	 Drawing the net of a 2D shape Calculate surface area of a 3D shape Calculate volume of 3D shape Calculate circumference and area of circles 	 Draw and interpret composite and comparative bar charts Plot and interpret time series graphs Plot and interpret scatter graphs Draw and interpret histograms 				
	Ratio and proportionality:	Ratio and proportionality:	Ratio and proportionality:				
Spring 2	 Add and subtract improper fractions Fraction of a quantity Convert between fractions, decimals and percentages Percentage of a quantity 	 Expressing a quantity as a percentage of another Percentage increase and decrease Sharing a quantity into a given ratio Compound measures Speed, distance, time, DMV, PMF 	 Understand ratio as a fraction Repeat percentage change with links to finance Reverse percentages Pythagoras' theorem 				
	Statistics:	Probability:	Geometry and measures:				
Summer 1	 Discrete v's Continuous data Construct and interpret bar charts Construct and interpret pie charts Construct and interpret stem and leaf diagrams Interpret distance time graphs 	 Using a probability scale Construct sample space diagrams Construct two-way tables Complete a probability tree 	 Angles in parallel lines using co-interior angle rule Calculate interior and exterior angles of any regular polygon Solve problems involving regular and irregular polygons 				
	Geometry and measures:	Binary and hexadecimal:	Finance:				
Summer 2	 Plans and elevations Bisect angles and lines Draw loci How to revise 	 Convert to and from binary Convert to and from hexadecimal Add and subtract binary numbers How to revise 	 Saving money Paying tax Applying for loans and mortgages How to revise 				
	GL assessment follow-up	GL assessment follow up	End of KS3 exam follow-up				

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 in real-life [cross curricular]contexts Starters: Retrieval practice based on QLA from most recent mock exams Homework: Hegarty Maths + GCSE Pod for retrieval practice exercises							
Impact Formative: Exit tickets + Fortnightly Mini-rolls [cumulative 1 st 40 marks] Impact summative = Mock 1 Oct [year 10 tiering papers, year 11 2 papers] Mock 2 January 3 papers, Mock 3 March [year 11 3 papers] Pin-point personalised learning booklets post every mock from end of year 9 onwards							
Autumn 1	Algebra: • Midpoint of line segment • y=mx+c • Parallel and perpendicular lines • Rates of change	Algebra: Simultaneous equations Graph quadratics Solve quadratics Complete the square Statistics 4 and 5	 Number: Index laws Add and subtract standard form Multiply and divide standard form 	 Geometry and measures: Vector arithmetic Solve problems involving vectors 			
Autumn 2	 Ratio and proportionality: Ratio problems with decimals Direct proportion Pythagoras Trigonometry 	 Ratio and proportionality: Percentage profit and loss Growth and decay problems Direct and indirect proportionality Statistics 6 and 7 	 Geometry and measures: Recognize congruent shapes Solve similarity problems Add and subtract vectors Calculate multiples of vectors 	 Algebra: Calculate gradient of a tangent to a curve Calculate area under a curve 			
Spring 1	 Geometry and measures: Area and perimeter of sectors and arcs Volume of pyramids Volume of spheres 	 Geometry and measures: Solve problems using congruency Solve problems using similarity 	January mocks How to revise Key exam topics Green penning of exam papers Personalised Hegarty maths catch up 	hegartymaths			
Spring 2	 Ratio and proportionality: Percentage profit and loss Growth and decay problems Compound measures 	 Geometry and measures: Trigonometric graphs 3D Pythagoras 3D trigonometry 	GCSE "Run in" Topics chosen for study based on QLA analysis of January mock PINPOINT LEARNING				
Summer 1	 Algebra: Plot quadratic graphs Factorise quadratic graphs Solve quadratic equations 	Algebra: • Graph inequalities • Graph and solve cubic functions • Circle theorems • Iterative process	GCSE exam season Walking talking mocks and half term study clubs delivered alongside individualised GCSE "Run in" lessons. Use of personalised PinPoint learning booklets.				
Summer 2	 End of year mock exams: How to revise Retrieval practice lessons Green pen follow up of exam papers PinPoint learning personalized booklets 	A hegartymaths					