Maths Curriculum Overview

	Autumn Term		Spring Term		Summer Term	
Year 7	7M06 – Solving problems with addition & subtraction. *Pre: 6M02 Future: 7M10 7M13* 7M07 – Solving problems with multiplication & ÷ *Pre: 6M02 Future: 7M13 8M02* 7M01 – Sequences *Pre: 6M07 Future: 8M08* 7M02 – Understand & use algebraic notation *Pre: 6M07 Future: 8M07*	7M03 - Equality & equivalence *Pre: 6M07* *Future: 7M09 8M07* 7M04 - Place value & ordering integers & decimals *Pre: 6M01 6M08* *Future: 7M05 7M08*	7M05 - Fraction, decimal & percentage equivalence *Pre: 6M07 7M04 Future: 7M08 8M10* 7M06 – Solving problems with addition & subtraction. *Pre: 6M02 Future: 7M10 7M13* 7M07 - Solving problems with multiplication & ÷ *Pre: 6M02 Future: 7M13 8M02 8M03*	7M08 - Fractions & percentages of amounts *Pre: 6M04 Future: 8M10* 7M09 - Operations & equations with directed number *Pre: 6M01 Future: 8M07*	7M10 – Addition & subtraction of fractions *Pre: 6M03 Future: 8M03* 7M11 - Constructing, measuring & using geometric notation. *Pre: 6M12 Future: 8M13* 7M12 - Developing geometric reasoning. *Pre: 6M12 Future: 8M13*	7M13 - Developing number sense. *Pre: 6M02 Future: 8M12* 7M14 - Sets & probability *Pre: (n/a in 6) 7M05 Future: 8M06* 7M15 - Prime numbers & proof *Pre: 7M13 Future: 9M03*
	ExHAPs flight path: MESME evaluation of potential students and analysis of their strength and weaknesses.					
Year 8	8M01 - Ratio & scale *Pre: 7M07 Future: 9M13* 8M02 - Multiplicative change *Pre: 8M01 Future: 9M12* 8M03 - Multiplying and dividing fractions *Pre: 7M10 Future: 9M06*	8M04 - Working in the Cartesian plane *Pre: 7M03 Future: 9M01* 8M05 - Representing data *Pre: 7M07 Future: 10M11* 8M06 - Tables & Probability *Pre: 7M14 Future: 9M15*	8M07 - Brackets, equations & inequalities *Pre: 7M03 7M09 Future: 9M02* 8M08 – Sequences *Pre: 7M01 Future: 9M03* 8M09 – Indices *Pre: 7M04 Future: 9M06*	8M10 - Fractions & percentages *Pre: 7M08 Future: 9M07* 8M11 - Standard index form *Pre: 7M04 Future: 9M06* 8M12 - Number sense *Pre: 7M04 Future: 9M08*	8M13 - Angles in parallel lines & polygons *Pre: 7M11 7M12 Future: 9M09* 8M14 - Area of trapezia & circles (1 wk) *Pre: 7M12 Future: 9M04* 8M15 - Line symmetry & reflection *Pre: 7M12 Future: 9M10*	8M16 - The data handling cycle *Pre: 7M07 Future: 10M11* 8M17 - Measures of location *Pre: 7M07 Future: 10M11* 9M01 – Straight line graphs *Pre: 8M04 Future: 10M04*
	ExHAPs flight path: Preparation for Higher Statistics (to be taken at the end of Y8 or Y9 depending)					
Year 9	9M02 – Forming and solving equations *Pre: 8M07 Future: 10M03* 9M03 – Testing conjectures. *Pre: 8M07 Future: 10M15* 9M04 – 3D shapes *Pre: 8M14 Future: 10M06* 9M05 – Constructions and congruency *Pre: 8M13 Future: 10M01*	9M06 – Numbers *Pre: 8M10 Future: 10M12* 9M07 – Using percentages. *Pre: 8M10 Future: 10M09* 9M08 – Maths and money *Pre: 8M12 Future: 10M09*	9M09 – Deduction *Pre: 8M13 Future: 10M05* 9M10 – Rotation and translation *Pre: 8M15 Future: 10M07* 9M11 – Pythagoras' Theorem *Pre: 8M14 Future: 10M02*	9M12 – Enlargement and similarity *Pre: 8M01 Future: 10M01* 9M13 – Solving ratio & proportion problems *Pre: 8M01 Future: 10M08* 9M14 – Rates *Pre: 8M01 Future: 11M07*	9M15 – Probability *Pre: 8M06 Future: 10M10* 9M16 – Algebraic representation *Pre: 9M01 Future: 10M04*	10M01 – Congruence, similarity and enlargement *Pre: 9M12 Future: 11M10* 10M02 – Trigonometry *Pre: 9M11 Future: 11M02*
	ExHAPs flight path: Preparation for Higher Statistics (to be taken at the end of Y9) **AND** Preparation for GCSE Higher (working at grade 7)					
Year 10	10M03 – Representing solutions of equations and inequalities *Pre: 9M02 Future: 11M04* 10M04 – Simultaneous equations *Pre: 9M01 Future: 11M01 11M09* 10M05 – Angles and bearings *Pre: 9M09 Future: 11M08*	10M06 – Working with circles *Pre: 9M04 Future: 11M08* 10M07 – Vectors *Pre: 9M10 Future: 11M12* 10M08 – Ratio & Fractions *Pre: 9M13 Future: 11M07*	10M09 – Percentages and interest *Pre: 9M07 Future: 11M07* 10M10 – Probability *Pre: 9M15 Future: 11M11*	10M11 – Collecting, representing and interpreting data. *Pre: 8M16 8M17 Future: 11M11* 10M12 – Non-calculator methods *Pre: 9M06 Future: 11M07*	10M13 – Types of number and sequences *Pre: 9M03 Future: 11M08* 10M14 – Indices and roots *Pre: 8M09 Future: 11M09* 10M15 – Manipulating expressions *Pre: 9M16 Future: 11M04 11M05 11M06*	11M01 – Gradients & Lines *Pre: 9M01 Future: 11M03* 11M02 – Non-linear graphs *Pre: 9M01 Future: 11M03* 11M03 – Using graphs *Pre: 11M01 Future: A-level Core*
	ExHAPs flight path: Preparation for GCSE Higher (working at grade 8/9) **AND** Preparation for IGCSE Further Maths					
Year 11	11M04 – Expanding and factorising *Pre: 10M03 Future: A-level Core* 11M05 – Changing the subject *Pre: 10M15 Future: A-level Core* 11M06 – Functions *Pre: 10M15 Future: A-level Decision*	11M07 – Multiplicative reasoning *Pre: 10M08 10M09 Future: A-level Core* 11M08 – Geometric reasoning *Pre: 10M13 Future: A-level Core* 11M09 – Algebraic reasoning *Pre: 10M14 Future: A-level Core*	11M10 – Transforming and constructing. *Pre: 10M02 Future: A-level Core/Decision Making* 11M11 – Listing and describing. *Pre: 10M10 Future: A-level Statistics* 11M12 – Show that *Pre: 10M07 Future: A-level Core/Mechanics*	Retrieval/Interleaved & Spaced Practice Comprising of paper 1, 2 and 3 practise, with CTG lessons after each paper, personalised for each class.	Retrieval/Interleaved & Spaced Practice Comprising of paper 1, 2 and 3 practise, with CTG lessons after each paper, personalised for each class.	
	ExHAPs flight path: Preparation for GCSE Higher (working at grade 8/9) **AND** Preparation for IGCSE Further Maths					