

Year 9 Maths



Year 9 Maths Curriculum Information

	Key Question:	Specification:	Skill Focus:
Term 1:	What is the relationship between these two quantities and how can I express it?	<ul style="list-style-type: none"> Standard form & accuracy Construction Algebraic proficiency Proportional reasoning 	<ul style="list-style-type: none"> Standard form; bounds Bisector/loci construction; plans/elevation Product of binomials; factorising quadratics; forming expressions Direct/inverse proportion; congruence/similarity; density
Term 2:	How can I find the length of a side in a right-angled triangle?	<ul style="list-style-type: none"> Sequences Inequalities Mensuration Proof 	<ul style="list-style-type: none"> Fibonacci/quadratic sequ. Solving inequalities & showing on a number line Area/volume of sectors/cylinders; Pythagoras' Theorem Proving mathematically
Term 3:	What conclusions can I draw from this graph?	<ul style="list-style-type: none"> Graphs of functions Further solving equations Probability of consecutive events Graphing data 	<ul style="list-style-type: none"> Finding equation of straight line; plot quadratic, cubic, reciprocal graphs Solve simultaneous equations Tree diagram probability Time series graphs; using scatter diagrams

Year 9 Maths Assessment Information

Assessment	Time/Venue	What will be assessed?
1 : Linking to Term 1	<ul style="list-style-type: none"> Assessment held in-class 1hr Teacher assessed 	Calculator mixed questions assessing topics covered up to that point from term 1
2: Linking to Term 1/2	<ul style="list-style-type: none"> Assessment held in-class 1hr Teacher assessed 	Non-calculator mixed questions assessing topics covered from term 1, with some from the first few weeks of term 2
3: Linking to Term 1/2	<ul style="list-style-type: none"> Assessment held in the Exam Hall 2 x 50 minutes Teacher assessed 	Paper 1: Non-calculator Paper 2: Calculator Mixed questions assessing topics from Yr 7, 8 and 9 using edited proper GCSE exam papers/grade boundaries.

