

YEAR 13 CURRICULUM INFORMATION – Mathematics

Summer 1

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What will students be learning?	Students will be following a bespoke revision programme based on identified weaker topics from their mocks results and assessments in preparation for their exams	
How will students be assessed?	3 papers x 2 hours , consisting of two pure and one applied.	
Literacy – What keywords will be taught?	Proof by contradiction, partial fractions, factor, polynomial, modulus, arithmetic, geometric, sigma, recurrence relations, radian, sector, segment, parametric, cartesian, product, quotient, iteration, newton-raphson, implicit, differential equations, magnitude, unit vector.	
What employability skills are being developed?	The specific value of maths as a required or preferred subject for particular careers e.g. • Engineers and engineering technicians • Surveyors and surveying technicians • Systems analysts • Actuaries • Accountants • Operational researchers • Chemists • Software engineers • Statisticians	•
Wider Curriculum Links?	Physics Trigonometry (sine waves)	

	SUVAT Logarithms Exponentials Simultaneous equations Chemistry Graphs Quadratics Logarithms Rearranging formulae Biology Graphs Surface area and volume Logarithms Business Percentages Graphs Psychology Scatter graphs Venn diagrams Box plots	
What useful websites are there for this topic?	www.mathsgenie.co.uk www.drfrust.co.uk www.resourceaholic.co.uk www.crashmaths.co.uk www.physicsandmathstutor.co.uk www.mymaths.co.uk	

What wider reading could be done for this topic?	Pearson Maths textbooks ISBN 9781292183398 ISBN 9781292232539 ISBN 9781292183404 ISBN 9781446944073	
What else can students be doing independently to develop their understanding of this topic?	Complete further lessons and tasks on mymaths. Complete exam packs to develop examination skills. Complete old specification past papers for extra practise.	