

YEAR 12

All students study C1 and C2 plus one applied unit (M1/S1/D1)

Half Term	Homework Topics	Resources
First Half Term	Algebra and functions Co-ordinate Geometry	AQA Revision Specification (available from AQA.org.uk) AQA Revision Guides which cover C1-4, M1,S1 and D1
Second Half Term	Co-ordinate Geometry Differentiation Integration	As above
	CHRISTMAS	
Third Half Term	Core 1 Revision Transformations Sequences and Series Trigonometry	As above
Fourth Half Term	More Trigonometry Exponentials and Logs Calculus	As above
Fifth Half Term	More Calculus Numerical Methods Core 2 Revision	As above
Sixth Half Term	Begin Core 3 Functions Numerical Methods Differentiation	

Useful Websites:

www.mymaths.co.uk

mathcentre.ac.uk – feel free to browse and consult a member of staff regarding content

livemaths.co.uk – a subscription website that allows the user to study on line with lessons streamed as flash videos

school portal – maths department /p16. Lots of past papers and revision exercises with solutions

Year 13 – all students study C3 and C4 plus one applied unit (M1/S1/D1)

Half Term	Homework Topics	Resources
First Half Term	Differentiation Trigonometry	AQA Revision Specification (available from AQA.org.uk) AQA Revision Guides which cover C1-4, M1,S1 and D1
Second Half Term	Integration Logs & Exponentials	As above
	CHRISTMAS	
Third Half Term	Core 3 Revision Algebra and Functions Trigonometry	As above
Fourth Half Term	Algebra and Functions Trigonometry Logs	As above
	EASTER	
Fifth Half Term	Binomial Expansions Calculus Vectors Core 4 Revision	As above
Sixth Half Term	EXAM	

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Applied Modules – S1/M1/D1

Dependent upon whether these are taught in year 12 or year 13, homework topics may vary.

Unit M1

Half Term	Homework Topics Year 12		Homework Topics Year 13	Resources
First Half Term	Kinematics Forces and Statics		Kinematics Forces and Statics Newtons Laws of Motion	AQA Revision Specification (available from AQA.org.uk) AQA Revision Guides which cover C1-4, M1,S1 and D1
Second Half Term	Forces and Statics Newtons Laws of Motion		Friction Momentum Projectile Motion M1 Revision	As above
CHRISTMAS				
Third Half Term	Newtons Laws of Motion Friction		Exam	As above
Fourth Half Term	Momentum Projectile Motion			As above
EASTER				
Fifth Half Term	M1 Revision Exam			As above
Sixth Half Term				

Unit S1

Half Term	Homework Topics Year 12		Homework Topics Year 13	Resources
First Half Term	Averages and Spread Probability		Averages and Spread Probability Binomial Distribution	AQA Revision Specification (available from AQA.org.uk) AQA Revision Guides which cover C1-4, M1,S1 and D1
Second Half Term	Binomial Distribution and Discrete Data		Normal Distribution Confidence Intervals Linear Regression S1 Revision	As above
CHRISTMAS				

Third Half Term	Normal Distribution and Continuous Data		S1 Revision Exam	As above
Fourth Half Term	Confidence Intervals Linear Regression			As above
EASTER				
Fifth Half Term	S1 Revision Exam			As above
Sixth Half Term				

Unit D1

Half Term	Homework Topics Year 12		Homework Topics Year 13	Resources
First Half Term	Algorithms Minimum Spanning Trees		Algorithms Minimum Spanning Trees Shortest Path Travelling Salesman Chinese Postman	AQA Revision Specification (available from AQA.org.uk) AQA Revision Guides which cover C1-4, M1,S1 and D1
Second Half Term	Shortest Path Travelling Salesman Chinese Postman		Matching Linear Programming Sorting Tracing	As above
CHRISTMAS				
Third Half Term	Matching Linear Programming		D1 Revision Exam	As above
Fourth Half Term	Sorting Tracing			As above
EASTER				
Fifth Half Term	D1 Revision Exam			As above
Sixth Half Term				