Welcome to the HGSS Key Stage 5 Maths

A Level Mathematics

Teachers: Mrs C. Douglas

Mrs E. Hill

Mr J. Ortega

Our A Level Results have been in the top 6% for progress nationally
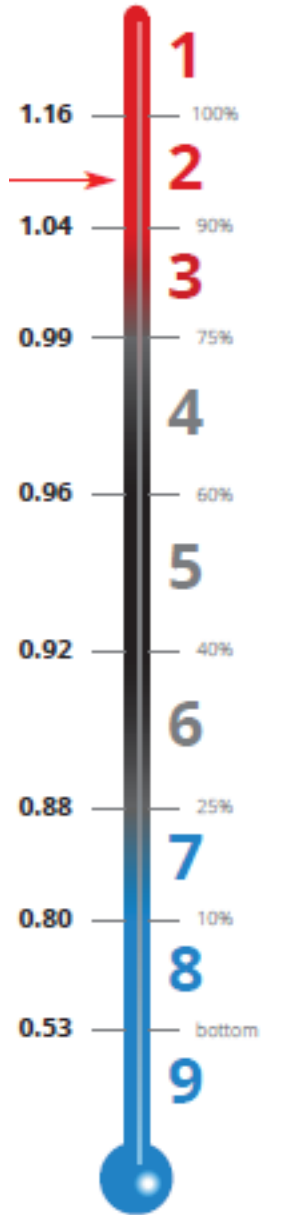
62% A and above in the last two years.

Grades	2019
A*	1
A	6
B	0
C	2
D	1
E	
U	

Grades	2020
A*	2
A	12
B	5
C	4
D	1
E	
U	

Grades	2021
A*	3
A	10
B	6
C	5
D	
E	
U	

We currently have more than 50 keen mathematicians studying AS/A level maths in Year 12 and 13 this year.

A level Mathematics

Why choose A Level Mathematics?

Edexcel AS and A level Mathematics

- To deepen your understanding of mathematics from GCSE level.

- Because you love algebra and problem solving.

- To acquire a strong foundation to allow you to access a wide range of careers.

- To obtain mathematical knowledge to make logical and reasoned decisions in a variety of real contexts.

A level Mathematics

Leading to a career in:

Actuarial Science   Law

Aeronautical Engineering   Veterinary

Chemical Engineering   Medicine

Civil Engineering / Architecture   Pharmacy

Economist   Physiotherapy

Electrical/Electronic Engineering Teaching

Mechanical Engineering   Banking

Consultancy

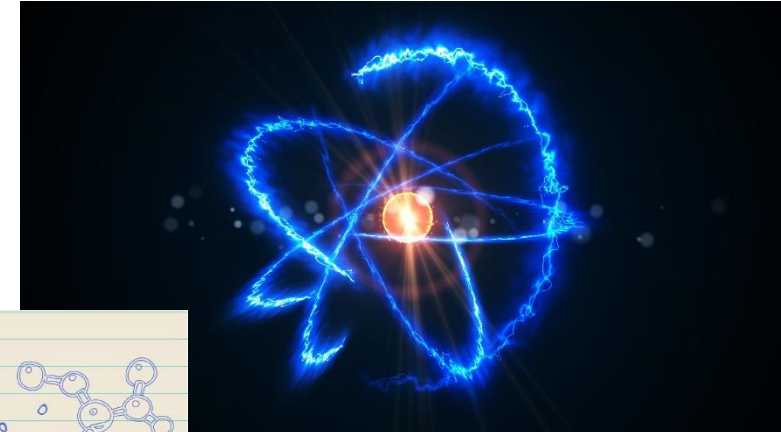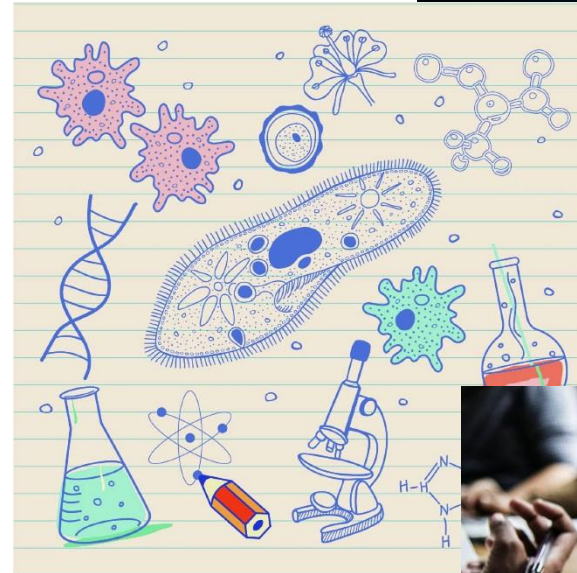# A level Mathematics

This subject goes well with:

Physics   Geography

Design technology   Psychology

Chemistry   Sociology

Biology   Economics

Computing   Business Studies

A level Mathematics

Course Content:

Year 12

Pure Mathematics 1

Algebraic techniques, 2-D Geometry, Graph Sketching, Sequences and an Introduction to Calculus, Vectors, Trigonometry, Logs and Exponentials, Binomial Expansion and Geometrics Sequences and Series.

Statistics and Mechanics 1

Statistical sampling, Data presentation and interpretation, Probability, Kinematics, Forces and Newton's Law.

Year 13

Pure Mathematics 2

Functions, Numerical Methods, Proofs and Further Trigonometry. Exponential and logarithms, Vectors, Advanced Trigonometry, Algebra and Calculus, Sequence and Series.

Statistics and Mechanics 2

Further probability and significance testing. Kinematics, Forces, Moments.

A level Mathematics

Examinations:

Exam Board

Pearson Edexcel A level

2 Pure Mathematics Papers (33.33% each paper)
1 Applied Mathematics Paper (Statistics and Mechanics) (33.33%)

Entry Requirements for A Level course:

The minimum entry requirement is GCSE Maths Level 7

PURE lesson example

Thank You

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