Mathematics
A Level

AWARDING BODY: Edexcel
SPECIFICATION CODE: 9MA0

ENTRY REQUIREMENTS
- 5 GCSE’s/Level 2s A*-C (or equivalent) including GCSE English Language and GCSE Mathematics
- B or 6 in GCSE Mathematics

ABOUT THIS COURSE
If you have enjoyed Mathematics at GCSE Level and want to extend and deepen your knowledge then this is the course for you. The new A-level structure will help you to learn pure and applied topics in a structured way and gain a better understanding of how Maths is used in other subjects and in the real world. A level Mathematics is a highly valued qualification in its own right, and will instil clear and logical thinking patterns.

WHAT WILL I LEARN?
AS Level (year 12)
Pure Maths: proof, graphs, equations and inequalities, coordinate geometry, sequences and series, trigonometry, logarithms, calculus, vectors.
Applications: statistical methods, distributions, data representations, hypothesis testing, forces and motion, mathematical models

A2 Level (year 13) includes all Year AS Maths and...
Pure Maths: functional analysis, use of parameters, further trigonometry, further calculus, numerical methods.
Applications: Probability, the Normal and Binomial distributions, moments, friction, projectiles, further kinematics. The applications section is one third of the A-level Maths content.

HOW WILL I LEARN?
This will be the second year of the new A level specification in Mathematics. There is no coursework..There will be regular tests to monitor your progress and revision classes will be available.
You will be assessed as follows:

AS level (May/June 2019)
You will sit two exams: in Pure Maths, and in Applications of Maths (Statistics and Mechanics). The results will be totalled to award you an AS grade (grades A to E).

A2 Level (May/June 2020)
You will sit three exams: two in Pure Maths, and in Applications of Maths. Your AS grade will not count towards your A-level grade. Two years of work will be assessed.

WHERE WILL IT TAKE ME?
The study of mathematics helps give valuable skills and knowledge, which support a range of other A levels, especially the sciences and business studies. This qualification is highly regarded by universities and opens the door to many higher level courses. Mathematics equips you with logical and analytical skills that are in high demand and can lead to careers in the medical, scientific, engineering, business and civil sectors.

WHO TO TALK TO?
Mr N Sharma at enquiry@bordgrng.bham.sch.uk