MATHEMATICS

A bitesize overview of the curriculum.

YEAR 1

- Develop mathematical arguments, language and proof.

- Use mathematical modelling to solve real-world problems.

- Study Calculus, Algebra, Trigonometry, Functions, Sequences and Numerical methods.

- Understand that real-world phenomena can be related to trigonometric, linear of differential equations.

- Use technology to help solve mathematical problems, including graphing software and graphical display calculator.

YEAR 2

- Study Statistics and Mechanics.

- Model the world around us, the motion of objects and the forces acting on them.

- Learn how to reach conclusions from data and calculating the likelihood of an event occurring.

- Develop the art of using modelling assumptions to simplify the mathematical description of a real-life scenario.

- Weekly tests to hone your examination technique and develop knowledge of the course.

WHAT SUBJECTS COULD I STUDY AT UNIVERSITY?

- Mathematics

- Engineering

- Medicine

WHAT CAREERS COULD THIS LEAD TO?

- Scientist

- Engineer

- Doctor

ENRICHMENT OPPORTUNITIES

- Maths Challenge Club

- Preparation for MAT, STEP and University Interviews

- UKMT Individual and Team Challenges

- Lectures, Talks and Workshops

- 'It all adds up' Conference at University of Oxford