MATHEMATICS

Mathematics is a core subject that all students study.

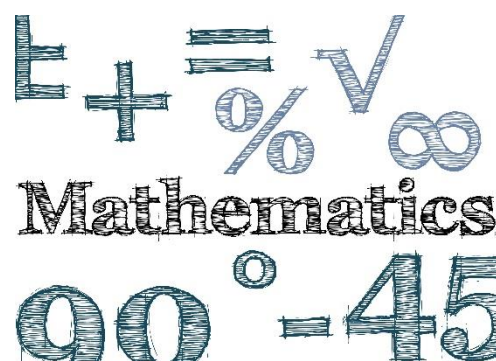**Assessment**
Examination board: Edexcel
Examinations: Three papers (no coursework)
- 67% calculator allowed
- 33% non-calculator

Two tiers
Foundation   (Grades 1 to 5)   Higher (Grades 4 - 9)

Syllabus content

Using and applying mathematics

- Make and monitor decisions to solve problems;
- Communicate mathematically;
- Develop skills of mathematical reasoning.

Number and algebra

- Using and applying number and algebra;
- Understanding place value and the decimal number system;
- Numbers and the number system;
- Understand and use the relationship between numbers;
- Solve numerical problems;
- Understand and use equations, formulae and identities;
- Use sequences, functions and graphs.

Shape, space and measure

- Understand and use properties of shape;
- Understand and use properties of position, movement and transformation;
- Understand and use measures;
- Use and locate co-ordinates.

Handling data

- Collect, process, represent and interpret data;
- Estimate and calculate the probability of events.

Careers that mathematics is useful for:

Statistician, scientist, sales representative, pharmacist, armed forces, motor mechanic, medicine, law, engineering, teaching, business, banking, accountancy, office work, tax officer builder, retail.

This subject is a compulsory GCSE.