

# MATHEMATICS

## COURSE OUTLINE:

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Exam Board: EdExcel

The aims and objectives of this qualification are to enable students to:

- Understand mathematics and mathematical processes in a way that promote confidence, foster enjoyment and provide strong foundation for process to further study.
- Extend their range of mathematical skill and techniques.
- Understand coherence and progression in mathematics and how different areas of mathematics are connected.
- Apply mathematics in other fields of study and be aware of relevance of mathematics to the world of work and to situations in society in general.
- Use their mathematical knowledge to make logical and reasoned decisions in solving problems both within pure mathematics and a variety of context.

## SKILLS REQUIRED:

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Students need to have strong algebra skills, problem solving and logical thinking as the key components.

## FUTURE OPPORTUNITIES:

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This qualification could prepare you for careers and further educational qualifications in:

Actuarial analyst, Actuary, Forensic accountant, Operational researcher, Research scientist (maths), Secondary school teacher, Statistician, Stockbroker, Engineering, Aerospace engineer, Business analyst, Chartered accountant, Corporate investment banker, Insurance underwriter, Investment analyst