



# Further Maths

## Who is this course for?

Further Mathematics at A-level is a course worth studying in its own right. It is very challenging but interesting. It builds on knowledge from Higher level GCSE and A level Maths. Further Maths enables students to understand coherence and progression in mathematics and how different areas of mathematics are connected. It allows students to apply mathematics in other fields of study and be aware of the relevance of mathematics to the world of work and to situations in society in general.

## What will I study?

### Pure Mathematics: Core Maths

This will include areas of maths unfamiliar to GCSE students such as proof, complex numbers, matrices, further algebra and functions, further calculus, hyperbolic functions and differential equations. Some topics will be familiar to higher students including further vectors and polar coordinates.

### Further Mathematics: Option 1

There is a choice from:

- A: Further Pure Mathematics 1
- B: Further Statistics 1
- C: Further Mechanics 1
- D: Decision Mathematics 1

### Further Mathematics: Option 2

- A: Further Pure Mathematics 2
- B: Further Statistics 1
- C: Further Mechanics 1
- D: Decision Mathematics 1
- E: Further Statistics 2
- F: Further Mechanics 2
- G: Decision Mathematics 2

In the past we have chosen to study the Statistics option, but this is a decision made on students ability.



## ***Glossopdale Sixth Form Course Information***



### **How will I be assessed**

Written exams:

4 exam papers each worth 25% of the final grade.

2 pure mathematics papers and 2 option exam papers

Exams are 1 hour 30 minutes in length and are worth 75 marks.

### **Course entry requirements**

Five GCSEs at grade 5 or above in different subjects including at a minimum grade 7 in Maths.

### **What can I do with this qualification?**

It serves as a very useful support for many other qualifications as well as being a sought after qualification for the workplace. It is a useful qualification to go to study courses in Higher Education such as computing, Accountancy, Teaching, Engineering, Medicine, Architecture and Economics as well as Maths

### **Also consider**

Physics, Biology, Chemistry, Psychology, Graphics, Product Design, Geography

