

## POST 16 SUBJECT OVERVIEW

**Name of Subject** - Edexcel LI/2 GCSE (9-1) Mathematics GCSE

**Which Examination Specification is Studied for this Course?**

Edexcel LI/2 GCSE (9-1) Mathematics GCSE 601/4700/3

**Why should I study this course? -**

Mathematics encourages you to discover those connections for yourself, to make you a detective of mathematics and to explore how to solve problems. This enables you to become an analytical thinker, someone who sees that the answer is only the beginning. It will help you to learn how to make conjectures (a conclusion based on evidence, patterns and thought, but not yet confirmed with proof) to reason and to prove. It will enable you to be more logical in your approach to complex issues and be more analytical.

Your study of Mathematics will encourage you to think deeply and help you to problem solve more effectively— a great life skill that all universities and employers will appreciate. Across your study you will explore number, algebra, shape and space and statistics. Lessons will provide a wide range of opportunities for constructing your own learning and discovering your own rules, through the use of concrete materials such as counters, through pictorial representations to demonstrate mathematical concepts and to apply these to solve problems, both abstract and from real-life.

Maths lessons will be full of discussion, questioning, proving and explaining. You are going to love it! Mathematics will expand your mind!

**Who is suitable to study this course? -**

If you are considering this course at Post 16 you have probably already sat this exam once but would like the opportunity to improve upon the grade you achieved by resitting this course.

You will need:

Resilience; the ability to not be scared of getting stuck, to be able to persist, and that oftentimes the mental struggle will be worth it.

Independence; the ability to problem solve by yourself, to be proactive at looking for solutions and not needing to rely on support (but in an environment where support will be there should you need it), to think for yourself and to be looking for links between the knowledge you already have and will gain throughout the course.

Planning and organisation; you will need to plan your time and resources to ensure that you've used them effectively.

Not least, a passion for developing your knowledge and deepening your understanding in mathematics. You must be committed to your studies as this course requires dedication and a strong work ethic.

### **What GCSE Qualifications Support the Study of this Course?**

It is likely that you have already studied the Edexcel GCSE Mathematics course already.

### **What are the Qualification Requirements for this Course?**

*None*

### **How is the Course Delivered? -**

One timetabled hour per week, plus enrichment during the one year period of the course. Early sittings of the exam are possible in **November**.

The course content will be tailored to the students taking the course. As this is a re-sit class it is likely that you have already covered all the content before. Informal assessments will be made so that the specialist mathematics teacher can tailor content to address the issues that you have.

## **How is the Course Assessed?**

Formal assessments in November and/or May/June.

Choice of Tier:

Foundation. Grades 1-5 available

Higher. Grades 4-9 available.

Three papers of 1 hour 30 minutes each.

Paper 1 in Non-Calculator.

Papers 2 and 3 Calculator permitted

All topics may appear in all exams.

## **What is our Recommended Subject Reading list to Support your Study? -**

Students will continue to have access to the SPARXmaths website to enable them to practice or develop their mathematical skills.

Revision guides such as those produced by CGP, Collins or Pearson.

Websites such as Corbettmaths and MathsGenie

