

**COURSE NAME: Mathematics GCSE**

**COURSE OUTLINE:**

Over the five years students are in school, working towards GCSE Mathematics, students will build up their reference bank of tools for problem solving. We will challenge students' curiosity by providing problems that stimulate independent thinking.

The GCSE course that we work towards for the **Higher tier** (grades 4 – 9) is **EDEXCEL (1MA1)**

The GCSE course that we work towards for the **Foundation tier** (grades 1 – 5) is **EDEXCEL (1MA1)**

We encourage mental agility by showing the students how to think and work out problems without the use of a calculator. However, there is a place for such an instrument and we teach the students how to use it effectively as part of the problem-solving process. To this end, all of our students must purchase a calculator. It is essential that they learn how their own calculator works and are completely familiar with it when they sit their examination.

**ASSESSMENT: 100% exam**

- **Foundation tier** will cover grades 1-5.
- **Higher tier** will cover grades 4-9.
  
- Paper One: Non-Calculator (1 Hour 30 Minutes)
- Paper Two: Calculator (1 Hour 30 Minutes)
- Paper Three: Calculator (1 Hour 30 Minutes)

Sparx maths is the online platform used to help improve retrieval skills by having questions set on topics delivered in the previous few weeks. Sparx creates a profile of each student's ability level, working speed and activity on specific topics. One of the key components of Sparx Maths is personalised, achievable homework for every student.

**POST 16 CHOICES:**

Students can progress from this qualification to Level 3 qualifications in numerate subjects such as: Core Mathematics (a new qualification A Levels in Mathematics and / or Further Mathematics; Science; Geography; Psychology; and Economics.

