

<b>Subject:</b>	Mathematics
<b>Level:</b>	GCSE
<b>Awarding Body:</b>	Edexcel
<b>Specification Code:</b>	1MA1
<b>Awarding Body website:</b>	<a href="https://qualifications.pearson.com">https://qualifications.pearson.com</a>
<b>ASSESSMENT:</b>	
Controlled Assessment %:	0%
When will it be taken?	N/A
Examination %:	100%
When will it be sat?	May/June at the end of Year 11
<b>TIERS:</b>	
Higher or Foundation	Grades will be awarded on a 9 -1 scale.
<b>Subject Leader:</b>	Mr M Williams
<b>Email address:</b>	<a href="mailto:martinwilliams@psf.wirral.sch.uk">martinwilliams@psf.wirral.sch.uk</a>

### **Description**

This qualification allows students to develop their confidence in using Mathematical skills and techniques. It also enables students to recognise the importance of mathematics in their own lives and within society. Students are encouraged to combine their skills in order to solve more complex problems and reason effectively.

### **What will I learn?**

GCSE Mathematics requires students to:

- Develop knowledge, skills and understanding of mathematical methods and concepts, including:
  - Number
  - Algebra
  - Geometry
  - Measures
  - Statistics
  - Proportional reasoning
- Use their knowledge and understanding to make connections between mathematical concepts
- Apply the functional elements of mathematics in everyday and real-life situations

GCSE Mathematics gives students the opportunity to develop the ability to:

- acquire and use problem-solving strategies
- select and apply mathematical techniques and methods in mathematical, every day and real-world situations
- reason mathematically, make deductions and inferences and draw conclusions
- interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

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

Three written papers, each 1½ hours long. Paper 1 is non-calculator. Papers 2 & 3 are calculator papers. Each paper contributes 33⅓ % of the final grade.

The Higher tier covers grades 9 to 4.

The Foundation tier covers grades 5 to 1.

### **Future Opportunities?**

This course allows students to develop and refine their problem-solving strategies and build the skills required to tackle unfamiliar challenges. This will prepare them for any future career they wish to pursue. Please note – many further education courses and apprenticeships will require students to have achieved a grade 4 or higher in GCSE Mathematics. Students achieving GCSE Grade 7 or higher can progress onto a Mathematics A-Level course.

### **Further information**

- Revision classes will take place after school prior to the examinations. Further information regarding days / dates will be available nearer the time.
- All students have access to the DrFrostmaths.com website which can be utilised as a source of revision as well as homework. Students are expected to take responsibility for their own learning and visit this website regularly. Individual passwords are set by the students, not the teachers and not the website itself.
- Students are expected to have their own mathematical equipment in addition to pens, pencils, rubbers, etc: a ruler, a protractor, compasses and a scientific calculator (preferably Casio fx 83GT CW – these can be purchased from the Maths faculty).