

Course Summary – AQA GCSE Mathematics

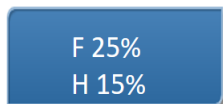
Information about the Course

The GCSE mathematics curriculum aims to encourage students to build their confidence in learning and applying their mathematical knowledge and skills across other subject lessons as well as in real life applications. This is because mathematical cognitive thinking is the base of STEM subjects and in engineering and digital technological courses, which is one of the focuses of UTC Swindon courses.

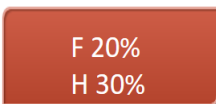
The GCSE maths curriculum is divided into six main areas: Number; Algebra; Ratio, proportion and rates of change; Geometry and measures; Probability and Statistics. Which each one of these areas are required to:

- 1- Use and apply standard techniques (Foundation 50%, Higher 40%)
- 2- Reason, interpret and communicate mathematically (Foundation 25%, Higher 30%)
- 3- Solve Problems within Mathematics and in other application contexts (Foundation 25%, Higher 30%)

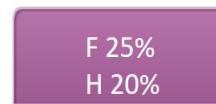
Summary of Content:



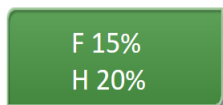
Number



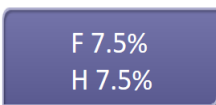
Algebra



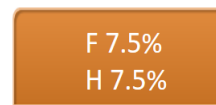
Ratio, proportion and rates of change



Geometry and measures



Probability



Statistics

Exam structure

Paper 1: non-calculator	Paper 2: calculator	Paper 3: calculator
<p>What's assessed</p> <ul style="list-style-type: none"> Content from any part of the specification may be assessed 	<p>What's assessed</p> <ul style="list-style-type: none"> Content from any part of the specification may be assessed 	<p>What's assessed</p> <ul style="list-style-type: none"> Content from any part of the specification may be assessed
<p>Assessment</p> <ul style="list-style-type: none"> 1 hour 30 minutes written paper 80 marks 33⅓% of GCSE 	<p>Assessment</p> <ul style="list-style-type: none"> 1 hour 30 minutes written paper 80 marks 33⅓% of GCSE 	<p>Assessment</p> <ul style="list-style-type: none"> 1 hour 30 minutes written paper 80 marks 33⅓% of GCSE
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Assessment Objectives

- **AO1 Use and Apply Standard Techniques**
Foundation 50%, Higher 40%
- **AO2 Reason, Interpret and Communicate Mathematically**
Foundation 25%, Higher 30%
- **AO3 Solve Problems within Mathematics and in other Contexts**
Foundation 25%, Higher 30%

Assessment

- Foundation tier grades 1 – 5
- Higher tier grades 4 – 9
- All topics and assessment activities will be examined in equal quantities in 3 exams each lasting 1h 30m, the first paper being non-calculator.
- All 3 examinations must be taken at the same tier and in the same series