



## **Overview**

We deliver high quality lessons full of rigorous mathematics so that students not only enjoy the math they are learning but also appreciate it as an essential life tool. It is our belief that the study of Mathematics underpins and supports the study of the academy's subject specialism, as well as many other subjects across the school curriculum.

We will develop resilient learners who can tackle problems in a variety of different ways; Through their math lessons, students should develop the skills to recognise similarities and differences of problems in various contexts and thus be able to apply the mathematics they learn in the modern world.

We will provide opportunities for students to improve their understanding through quality feedback and in class intervention. We will also provide regular opportunities in and out of class for students to extend their mathematical understanding beyond the curriculum. We want all our students to complete their education as confident mathematicians with the numeracy they need to succeed whether they finish their formal mathematics education at GCSE, AS or A Level.

## **Examining body**

AQA

## Course overview

In Years 10 to 11 you will develop the skills you learnt in KS3 with a focus on the AQA GCSE Mathematics Exam skills:

AO1 - Recall and use knowledge of the prescribed content

AO2 - Select and apply mathematical methods in a range of contexts

AO3 - Interpret and analyse problems and generate strategies to solve them

The overview for particular topics studied each year can be found via the the links provided:

[Year 10](#)

[Year 11](#)

## Content Breakdown

Topics italicised in the Crossover and Higher sections may be covered by more able foundation students to extend their understanding

	<b>Year 10</b>	<b>Year 11</b>
<b>Beta</b>	Higher	Higher/F Maths
<b>Gamma</b>	Crossover/Higher	Higher
<b>Delta</b>		Higher
<b>Theta</b>	Crossover	Crossover/Higher
<b>Kappa</b>		Crossover
<b>Lambda</b>	Foundation/Crossove	Crossover
<b>Sigma</b>	r	

## **Assessment**

In Years 10 you will have a thirty minute assessment at the end of each topic shown in the overview and a mixed topic assessment at the end of each term.

In Year 11 you will sit a set of three GCSE papers every half term.

## **Rules and expectations**

You are expected to bring a calculator and mathematical equipment (ruler, compass, protractor, pen, pencil) with you to every lesson.

## **Resources and reading**

There are a range of books in the library to extend your knowledge of maths beyond the curriculum.

We subscribe to the [Sparx Maths](#) website. Students will receive login details from their teacher to access the videos and worksheets.

The following two website also have a range of useful videos and worksheets for practice: [Corbett Maths](#) - the 5-a-day resources are an excellent way to practice a little bit of maths everyday whilst the worksheets allow practice of a particular topic and come paired with videos explaining the content. The revision flashcards are also apparently very good although I haven't looked at them myself.

[Maths Bot](#) - this website has a comprehensive collection of question generators which closely match the style of questioning in the AQA GCSE specification. Try the GCSE Exam Style Questions, GCSE Revision Grid or Retrieval Facts generators to test your understanding at home.

## **Grade criteria**

Students will be entered into either the Higher or Foundation paper.

The grades which can be attained on the Foundation paper are 1 - 5.

The grades which can be attained on the Higher paper are 3 - 9.