

# GCSE MATHS

Mathematics is a vital, compulsory subject for all students up to GCSE. Not only is it viewed as a necessary subject by most employers, colleges and universities, studying mathematics has substantial benefits.

We all use mathematics every day, most of the time without realising. We check our change in the shops, work out how expensive a new car or our next holiday is going to be, decide when we need to leave the house to get to school or work.

At the more advanced end of a mathematical career, we have scientists using their mathematics to design faster computers, provide a more responsive Internet, gaming consoles and mobile phones. Financial mathematicians are able to create more efficient pension schemes, mortgages and saving schemes.

## What topics will I cover?

Maths GCSE is split into six core areas:

- Number
- Algebra
- Ratio, proportion and rates of change
- Geometry and measure
- Probability
- Statistics

Functionality will be embedded into the course. All students will be following the linear course with three written papers and there is no coursework.

# Frequently Asked Questions

## **How am I assessed?**

All students in Years 9, 10 and 11 study GCSE Mathematics. There are two tiers at which a student may study:

- Higher tier grades 4 to 9
- Foundation tier grades 1 to 5

Students will be studying GCSE Mathematics across all three years. The linear course includes two calculator exams and one non calculator exam, each 90 minutes long and worth 80 marks each in the Summer of Year 11.

## **What will my lessons look like?**

We have 8 hours of lessons a fortnight which include a range of different styles of lesson including past paper exam practice, problem solving application, IT lessons and retrieval lessons.

## **What resources can we use at home?**

We are fortunate to have a range of online resources available to aid in students learning at home and they are: Hegarty Maths which students are currently using, Pixl Times tables app, pixl Maths App and OnMaths which provides online practice exam papers.

## **What examination board will I follow?**

Edexcel.

## **Is there any additional information about this course?**

More information about the subject and the exam can be found on the school and Edexcel websites.

## **Who should I speak to for further information?**

For further information please ask your child's Maths teacher or contact Abby smith on: [abbysmith@highfield.herts.sch.uk](mailto:abbysmith@highfield.herts.sch.uk)

# Student Feedback

**“I wish we had double Maths”**

**“Can we come in on the Occasional Day just for Maths?”**

**“I enjoy the change in lessons, where we look at Past Papers and problem solving regularly.”**

**“The retrieval lessons are really helping me remember the harder stuff.”**

**“I love computer lessons where we can have a say in what we do for a lesson!”**