Mathematics

Students will study Mathematics for 9 hours per fortnight. The changes that have been introduced by the Government mean that Mathematics is now double-weighted and will count twice towards your overall achievement.

What will I learn about?

In mathematics you will study a new syllabus for GCSE which represents an increase in scope and content. The course content builds upon the concepts you have studied at Key Stage 3 and introduces a formal focus on examination technique.

The key aims of the mathematics GCSE course are to:
- Develop fluent knowledge, skills and understanding of mathematical methods and concepts.
- Acquire, select and apply mathematical techniques to solve problems.
- Reason mathematically, make deductions and inferences, and draw conclusions.
- Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

How will my work be assessed?

In Year 10 you will continue to sit end of topic milestones. These assessments will have a broader focus than before taking the form of mini GCSE papers assessed at either Higher or Foundation tier.

In Year 11 the emphasis is on the application of mathematics concepts to solve GCSE style problems and the revision of key knowledge covered in Year 10. Student assessment and tracking through Year 11 will be in the form of formal GCSE trial examinations sat at the end of each half term. From these assessments students receive a full evaluation of their own strengths and areas for development.

What courses could I go on to study?

Mathematics is essential for all further studies including entry into PGS Post 16 Centre. Any Sixth Form, College or University will be ideally looking for a Maths qualification at grade 4 or above depending on the type of course you want to study.

What jobs can this qualification lead to?

All employers will want to see evidence of good numeracy skills, and many jobs will carry a requirement of a certain grade at GCSE.

Who can I speak to for more information?

For more information about Mathematics please speak to Mr Satur, Curriculum Area Leader: Mathematics or contact options@penistone-gs.uk.