



Years 7 – 10 Mathematics Curriculum

Curriculum intent

At Key Stage 3 students study the full range of the maths curriculum strands; number, geometry, ratio & proportion, algebra and statistics in line with the national curriculum and they have opportunities to solve problems and explain their reasoning. “Do now” resources are used for retrieval practice at the start of every lesson. By the end of Year 9, through our cyclic curriculum, we intend to equip students with the mathematical knowledge required as a solid foundation for GCSE. They also have the chance to develop skills to decode questions, model situations with diagrams and explain their rationale. Independent working time is built into lessons to improve the mathematical fluency of our students.

At Key Stage 4 students continue to study the full range of the maths curriculum strands in line with Edexcel GCSE specification; number, geometry, ratio & proportion, algebra and statistics. Following on from KS3, they continue to have opportunities to solve problems and explain their reasoning, with an increase in GCSE-style exam questions. Students will study either Higher or Foundation tier schemes of learning with some classes using a hybrid model. They also have the chance to develop skills to decode questions, model situations with diagrams and explain their rationale. Independent working time is built into lessons to improve the mathematical fluency of our students.

Feedback and assessment

- Verbal feedback is recognised as having the greatest impact on student progress and will be at the core of our everyday teaching.
- Within lessons there is an expectation that students will self/peer assess their work as solutions are shared.
- Meaningful and personalised homework will be set each week, via Sparx (an online platform). This allows students to practice the skills they are currently being taught as well as building in retrieval practice.
- Summative assessments will be completed termly, and teacher marked. Individual areas for improvement are specified using Question Level Analysis (QLA) and subsequent lessons are planned in accordance with assessment outcomes.



Scheme of Learning

- For Year 7-10 we are following the Sparx Curriculum.
- The Sparx curriculum statement can be found [here](#)
- A link to the Sparx curriculum can be found [here](#)
 - Whilst we are following the Sparx curriculum our timings will be different to those on this document as we alter them to fit to our school year.

