

Mathematics

Our core purpose at KS4 is to deliver an engaging and challenging curriculum through outstanding teaching and learning. We aim to give students the best opportunities to learn the KS4 curriculum, to have the best possible outcomes for their GCSE examinations in Year 11 and to make them confident and responsible members of the school and the wider community.

We follow Pearson Edexcel GCSE (9-1) which aims to provide evidence of students' achievements against demanding and fulfilling content. We provide a strong foundation for further academic and vocational study and for employment, and aim to give students the appropriate mathematical skills, knowledge and understanding to help them progress to a full range of courses in further and higher education.

The curriculum path is differentiated to either Higher or Foundation and also within topics in order to match the pace and challenge with the needs of the students and their learning journey will cover the following key themes:

Year 10

Linear Graphs
Coordinate Geometry
Ratio and Proportion
Congruence and similarity
Pythagoras and Trigonometry
Probability
Multiplicative Reasoning
Statistics Review
Nets, Surface Area and constructions
Quadratics
Circles, Sectors and Cylinders

Year 11

Number Review-retention, embed, stretch and problem solve
Similarity, Congruence and Vectors
Algebra Review-retention, embed, stretch and problem solve
Ratio Proportion Review-retention, embed, stretch and problem solve
Shape Review-retention, embed, stretch and problem solve
Probability Review-retention, embed, stretch and problem solve
Statistics Review-retention, embed, stretch and problem solve

