

Mathematics

What will I learn?

The curriculum follows the Pearson Edexcel 1MA1 Mathematics specification.

Year 10

The course of study in Year 10 concentrates on developing understanding and increasing knowledge of areas within the Algebra and covers the entire Statistics and Probability framework of the specification with some Geometry. Example topic areas are: Sequences, Quadratic Expressions and Equations, Statistical Graphs and Charts, Averages, and Scale Drawing and Loci.

How will I be assessed?

For Year 10, the course will be tested through a combination of written half-termly topic test papers and teacher assessments. A final end of year examination on all of the year's topic areas will occur in the last half-term of the school year. Candidates may sit tests at different levels, according to their individual progress and attainment. Higher level will award grades 4 to 9. Foundation level will award grades 1 to 5.

How will I be taught?

There are opportunities for a variety of learning styles. These include problem-solving; investigations; practical Mathematics; teacher exposition; routine practice; use of spreadsheet, database, dynamic geometry and graphing computer programs; strategy games and discussion. Homework will be regularly set to consolidate on previously learned concepts and to gauge understanding.