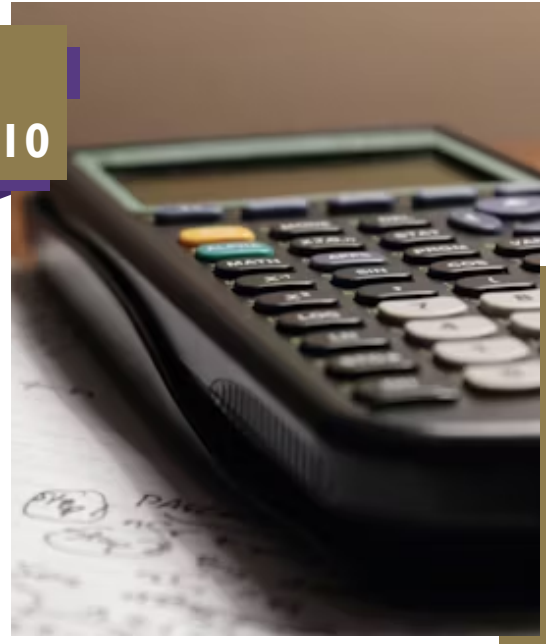# MATHEMATICS
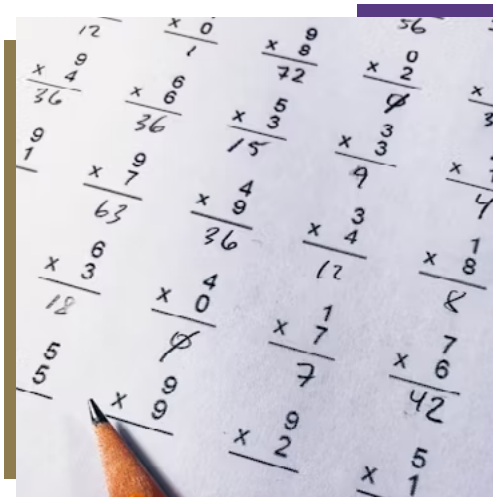## KS4 (Edexcel GCSE (9-1) Mathematics)

Curriculum Purpose

Students study the Pearson Edexcel Level 1/Level 2 GCSE (9-1) in Mathematics (1MA1) specification, and they have eight periods of Mathematics a fortnight. The qualification provides evidence of students' achievements against demanding and fulfilling content, to give students the confidence that the mathematical skills, knowledge and understanding that they will have acquired during the course of their study are as good as that of the highest performing jurisdictions in the world. It provides a strong foundation for further academic and vocational study and for employment, 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. This includes Level 3 mathematics courses as well as Level 3 and undergraduate courses in other disciplines such as biology, geography and psychology, where the understanding and application of mathematics is crucial.

YR10

Curriculum Topics

- **Congruence, Similarity and Enlargement**
- **Trigonometry**
- **Representation Solutions of Equations and Inequalities**
- **Simultaneous Equations**
- **Angles and Bearings**
- **Working with Circles**
- **Vectors**
- **Ratios and Fractions**
- **Percentages and Interest**
- **Probability**
- **Collecting, Representing and Interpreting Data**
- **Non-Calculator Methods**
- **Types of Number and Sequences**
- **Indices and Roots**
- **Manipulating Expressions**

https://qualifications.pearson.com/content/dam/pdf/GCSE/mathematics/2015/specification-and-sample-assesment/gcse-maths-2015-specification.pdf

When and how assessment of learning will happen

End of term assessments

The final exams/ assessment:

End of year mock assessments

Home Learning Expectations

Mixture of tasks on:
- www.mymaths.co.uk
- www.methodmaths.com

Useful Information

- Individual Google classrooms
- Revision guides and workbooks available to purchase
- www.methodmaths.com

MATHEMATICS