

AUTUMN 2023

Subject: Maths

Year: 11 GCSE

Topic(s) to be covered:

Year 11 is the final year of the GCSE course; therefore, all topics follow the GCSE Scheme of work. All books used in Year 11 should be kept safe for revision purposes. Sets 1 and 2 will be doing the higher tier and sets 3 and 4 will be doing foundation; however, we will be making individual changes if required based on mock performance and teacher recommendations before the tier entry deadline.

Sets 1 and 2: Equations and graphs; Circle theorems; Vectors and geometric proof; Further algebra; Proportion of graphs.

Sets 3 and 4: Right angled triangles; Perimeter, area and volume; More algebra; Constructions, loci and bearings; Fractions, indices and standard form; Congruence, similarity and vectors.

Assessment Procedures:

Following each topic area, students will sit a topic assessment which will be graded from 1-9 based on GCSE levels and used to inform us of your child's progress. A traffic light (PLC) will be filled in and closing the gap tasks will be done to help future progress. These will be in your child's book for each topic area.

In the Autumn term there will be a mock, where they will sit three full papers. One non-calculator and two calculator papers. These will be graded as if it was the real GCSE.

This will form the bases for assessing if your child should be entered at the higher or foundation level, and therefore are very important.

Homework guidance:

Homework will be set regularly. The purpose of the homework will normally be to consolidate knowledge and practice exam questions in preparation for their GCSE. This will be on a worksheet. There may be occasions where it is a revision homework where they will have to go online and use Mathswatch.

Enrichment opportunities:

The new GCSE specification will involve many questions which are tailored to real-life and problem solving skills, therefore teaching methods will reflect this.

How can you help?

Any extra maths you can encourage your child to do will help with their success in the subject. All students also have a login for Mathswatch which contains video clips, interactive questions and related worksheets on everything in the maths GCSE. Year 11 students should also have a revision guide; constant working through these would be recommended.

Equipment needed:

- Pencil, ruler, calculator, rubber, pen, protractor, compass.

Textbooks:

Our scheme of work links to the Pearson 11-19 progression textbooks.

Year 11 uses: Edexcel GCSE (9-1) Mathematics higher and foundation student books.