

## AUTUMN 2023

**SUBJECT: Maths**

**Year: 10**

**Topic(s) to be covered:**

Year 10 is the second year part of the GCSE course; therefore, all topics follow the GCSE Scheme of work and books should be kept safe throughout the course. Currently sets 1 and 2 will be doing Higher tier and sets 3 and 4 will be doing Foundation, however there are many opportunities to move up or down tiers if required.

Set 1-2: Area and volume; Equations and inequalities; Multiplicative reasoning.

Set 3-4: Perimeter, area and volume; Quadratic equations and graphs; Multiplicative reasoning.

**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 gaps tasks will be done to help future progress. These will be in your child's book for each topic area.

At the end of the term, your child will sit a cumulative test which will cover all that they have learnt since the start of Year 9. This will also be graded 1-9 and will involve a traffic light system to further inform areas of strength and development.

**Homework guidance:**

Homework will be set regularly. The purpose of the homework will normally be to consolidate work done during Years 9 and 10 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 maths from Year 7 to 11. This should also be used at home to boost performance. We also think it is essential that everyone knows their times tables off by heart up to  $12 \times 12$  as it is an essential part in being successful in Mathematics. If your child does not know them to this level, then we would encourage work to be done with your child at home to help learn them.

**Equipment needed:**

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

**Textbooks:**

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

Year 10 uses: Edexcel GCSE (9-1) Mathematics higher and foundation student books.