



### Department: Maths

#### **Overview: We will be following EDEXCEL schemes of work for KS3 and KS4.**

All pupils are taught enjoyable and engaging maths lessons which ensure pupils:

- Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Are able to reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions

All pupils will be working towards sitting the EDEXCEL Linear maths papers (Foundation or Higher) at the end of KS4.

#### **Assessment**

Pupils are assessed formally fortnightly via an end of topic test for each unit. Pupils' tests are returned to them after marking and feedback has been given. Pupils are then given an opportunity to rectify mistakes and evaluate their tests in order to develop their understanding of the topic and help them progress further in Maths.

Assessment takes place part way through and at the end of each half term. Assessments may feature content previously covered within each key stage to prepare them for the new linear examinations. All year groups take key examinations or public examinations towards the end of an academic year.

#### **Grouping & Setting**

In Year 7, initially pupils are placed into groups based on their KS2 Maths results and thereafter these sets are reviewed half termly after end of unit assessments. In Years 8-11 pupils are taught in sets. These sets are reviewed each half term after end of unit assessments. Teaching and learning is differentiated, in both lessons and homework to help all pupils reach their full potential. Intervention sessions are available for pupils who need support, or those not achieving their target grades in order to maximise their performance in examinations.

#### **Support/ Revision/ Extra Curricular and Useful Websites**

- Mymaths website Mathswatch, all pupils will be provided with their individual logins and passwords. Edexcel revision guides and workbooks, Kerboodle interactive resources
- Pupils will have the opportunity to participate in Maths competition lunch clubs.
- Numeracy lunch clubs for KS3 pupils.
- Pupils of all ages, will also have the opportunity, to take part in national competitions, for example the 'UKMT maths challenge'.