

## Mathematics Curriculum Summary

### Curriculum Intent

Mathematics is essential for individual's everyday lives, their understanding of the world, their economic well-being, their ability to make logical arguments and to solve problems. It is a necessary condition for being a productive, fulfilled citizen. It is essential for the United Kingdom to be able to draw upon a pool of well-educated, fluent mathematicians to facilitate its sustainable progress and prosperity.

We aim to develop pupils into confident, competent mathematicians who enjoy learning the subject and will continue to do so. They should see the relevance of mathematics to their current and future lives. They should be able to make logical, reasoned arguments using standard mathematical techniques and also be able to adapt these techniques when presented with unfamiliar situations. They should be prepared for the next stage in their education and for future employment.

To ensure this, the mathematics subject area:

- Treats all pupils as partners in learning;
- Develops the leadership role of pupils through peer assessment and peer teaching;
- Gives pupils opportunities to experience the satisfaction and enjoyment of mathematics;
- Give pupils opportunities to see the relevance of mathematics and the impact that it has on all of our lives;
- Expects all staff in the subject area to support each other in ensuring that all pupils make appropriate progress in mathematics;
- Expects all staff in the school to promote positive attitudes towards mathematics;
- Takes every opportunity to demonstrate that staff enjoy mathematics and continue to love learning more about it;
- Encourage parents to support their children in learning mathematics.

### Curriculum Overview

In all Years, students are taught in ability sets so the precise content covered may vary from that detailed below.

In Years 7, 8 and 9 there are assessments each term that cover all the content taught to that point since the start of the year.

In Years 10/11, students are prepared for the GCSE examination which is taken in May/June of Year 11. They are given regular topic tests as well as formal examinations and mock examinations.

Students are prepared for Pearson/Edexcel Mathematics GCSE. A small number of students are entered for AQA Entry Level at levels 1, 2 and 3. Please see extra documents uploaded, outlining details of content covered in years 7-9. Please see below details of content covered in years 10/11.