Mathematics - Curriculum Intent Statement

Maths is for everyone. It is diverse, engaging and essential in equipping students with the right skills to reach their future destination, whatever that may be.

Powerful Knowledge in Mathematics Our curriculum aims to empower students to develop and apply problem solving skills focusing predominantly on the powerful and overarching mathematical components: proportional reasoning, geometrical reasoning and graphical representations.

Our aim is to encourage students to develop mathematical behaviour and as such our curriculum encourages students to develop deeper understanding to make links across curriculum areas and foster a mastery approach.

Curriculum features at all levels; students are provided with opportunities to behave mathematically.

- The emphasis is on empowering students to notice, make connections, explain, justify, conjecture, prove. We adopt a Mastery approach with one set of mathematical concepts and big ideas for all.
- Emphasis is given to all students to develop subject specific knowledge and procedural fluency to be able to advance their mathematical education
- We encourage students to deploy particular models to support their development (ratio tables, area model, graphing) as well as draw a pictorial representation to make sense of a given situation.
- Challenge is provided through depth rather than acceleration.
- Students will follow a tailored structured program of study in line with their needs and future aspirations.
- Interleaving of subject content will be consistent through all year groups to develop students long term learning gains and to provide greater accuracy in the assessment procedures.

These beliefs are in line with the current National College of Excellence in Teaching Mathematics drive on Mastery.