

SUBJECT: Mathematics

YEAR: 8

HEAD OF DEPARTMENT: Mrs L Crowthers

GROUPING POLICY: Set by Ability (with Science)

COURSE CONTENT:

Mathematics is taught in a scheme of work that allows students to learn their mathematics in a cycle of Discover, Consolidate and Assess. Each topic area lasts a term and students are expected to be able to widen their knowledge of maths rather than just answer questions. Mathematical communication and problem solving are key throughout the course and the use of these skills in more practical situations is explored in several investigations throughout the year. The focus of the course is on the understanding of mathematics and students are encouraged to question and explore the subject.

What will my child learn?

The mathematical content in the lessons is based on the new National Curriculum and students will cover work on Number, Algebra, Ratio and Proportion, Geometry, Data and Probability.

What will homework look like?

Students will have two short or one long homework a week. This will either be written or online by using www.mymaths.co.uk.

What enrichment opportunities are available?

Gifted and Talented students take part in the UKMT Junior Maths Challenge.

ASSESSMENT

How will my child's work be assessed?

Students track the topics that they have learnt and used, allowing their teachers to "build a picture" and make accurate level judgements which are reported four times a year. These students are expected to be active learners and self-assess areas for improvement and demonstrate their learning.

Common termly assessments will allow teachers to monitor retention of information as well as a formal exam at the end of year 8.