



St Gregory the Great Catholic School – Secondary Phase

Maths (KS3)

Overview

The schemes of work we follow are designed Pearson, who make our GCSE exams. In Year 7 and Year 8, students cover all units from KS3 Maths that are required as prior knowledge before moving on to the GCSE course in Year 9, Year 10 and Year 11.

Year 7 Topics (a selection): expressions, functions and formulae, graphs, factors and multiples, decimals and measures, angles, fractions and percentages (this is not an exhaustive list).

Year 8 Topics (a selection): Factors and powers, 2D and 3D solids, transformations, fractions, decimals and percentages, probability, angles, statistics, sequences (this is not an exhaustive list).

Groupings & Teaching / Learning style

Students are grouped in sets in Year 7. KS2 data as well as internal base-line testing allocate students to classes that will allow them to make the most progress.

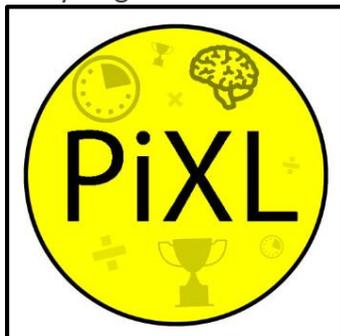
Students are taught using a variety of teaching and learning methods with a particularly strong emphasis on independent enquiry and developing self-sufficiency.

Assessment

All students will cover 10 units in Year 7 and 10 Units in Year 8. End of Unit tests are used to assess progress throughout each unit, and enable teachers and learners to identify areas of development.

Resources to use at home

Use the PiXL Times Tables App to improve you use of times tables in mental arithmetic. This helps speed up how quickly you can answer a question, and therefore allows you to complete more of the paper. There are also games to play against other schools – how far can you get in 'Survival'?



Visit: timestable.pixl.org.uk/Timestables.html

The app is available on iPhone, Android, tablet and desktop. It records everything you do, allowing you to see your progress over time. Short regular sessions are recommended!

BBC Bitesize is another fantastic free resource. It offers very clear explanations, as well as quizzes to assess how you are getting on.

Visit: www.bbc.com/education/subjects/zqhs34j or Google 'BBC Bitesize KS3 Maths

Further information on GCSE Maths, and for PiXL App Logins, contact Mr Holton - Head of Maths