



Cardinal
Newman
CATHOLIC SCHOOL

Mathematics Department

Welcome to the Maths department Our school is special. We are so lucky to work with the students that we doand teach the subject that we love, enabling our students to learn to love it too.

As a department we aim to:

- Instil a sense of passion for our subject in all our students.
- Enable all our students to be independent learners and reach their full potential
- Teach a broad and balanced curriculum that relates to the real world.
- Create a positive learning environment where everyone feels safe and thrives.

We have high expectations of all students and strive to do the best by them every day. We want our students to reach their potential and we do this by consistent high quality first teaching.

I am so proud to be Head of Maths at this school. We have a fantastic team full of dedicated teachers.

Sian Streater
Head of Maths

Homework

Students are set between 30 (Y7-9) and 40 (Year 10-11) minutes of homework per week.

All students can complete extra work on Sparx to earn certificatesand prizes!

$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



Key Stage 3

In Key Stage 3 we follow a curriculum where all students in the same year study the same concepts and skills at the same time. We believe that all students can be successful in maths and that every student has the right to be able to be exposed to the same mathematics. Each one of our units starts with the recapping of prior knowledge, moves onto the core steps that students will learn and also includes some extension content (the decision on whether the students are taught the extension content is down to the teacher in the class, not the set that students are in). Topics that involve similar process are grouped together to enable students to apply their learning to a mixture of problems as well as make connections across mathematics. Students are set due to current attainment in the first half term of Year 7 and are taught in ability classes throughout KS3. These are reviewed regularly to make sure that students are in the correct group for them.

Key Stage 4

In Year 10 students move onto their GCSE program of study and the Edexcel Specification. Students in set 1 and 2 follow a higher tier curriculum. Student in sets 3, 4, 5 and 6 follow a foundation tier curriculum. With regards to tier, we will always do what we feel is best for each individual student.

We also offer GCSE statistics and Level 2 Further Maths in the KS4 Option block.

Extra Curricular

All students in set 1 in Year 7 and 8 sit the UK Junior Maths challenge. Selected students in Year 10, 11, 12 and 13 are also entered into the Intermediate and Senior maths challenges. These students are chosen by the class teachers.

We also offer extra-curricular clubs including Chess Club and Uno club at lunchtimes.

