

Year 10 Mathematics Information



Dear Parent/Carer,

As we embark on the new academic year, we would like to take this opportunity to share some information with you about how you can support your child in their mathematics education. We believe that a strong partnership between school and home is essential for your child's success, and your involvement plays a crucial role in their learning journey.

On the back of this letter you will find the Year 10 Mathematics Scheme of Work. This document outlines the topics and concepts that your child will be covering throughout the year. It provides a valuable overview of the curriculum and can serve as a reference point for understanding what your child is learning in class. Tiers will not be officially decided before the start of Year 11 however we expect that students who are in set 1 and 2 will study Higher Tier Edexcel GCSE, students in set 3 will study a crossover curriculum and students in sets 4, 5 and 6 will study Foundation Tier Edexcel GCSE.

One of the key ways you can support your child's mathematics education is by ensuring that they complete their homework. We have a designated homework schedule in place to ensure that your child has ample time to complete assignments and consolidate their learning. Homework will be set every Wednesday and will be due the following Wednesday. Maths homework should take around 30 minutes. All homework will be set on Sparx Maths - an online platform designed to enhance your child's mathematical skills.

Sparx provides personalized homework assignments tailored to your child's specific needs, allowing them to practice and reinforce the concepts covered in class as well as providing videos for each question if students get stuck. To access Sparx Maths please follow the steps below:

Google Sparx student log in

Type in: Cardinal Newman Catholic School a Specialist Science College.

Click on the big blue button that says log in with Microsoft.

Use school email and school password (same as they use for the computers in school).

We believe that by working together, we can create a supportive and enriching learning environment for your child. If you have any questions or concerns about your child's mathematics education or their use of Sparx, please do not hesitate to contact their mathematics teacher or myself on [sstreater@cardinalnewmanschool.net](mailto:ssstreater@cardinalnewmanschool.net). We are here to assist you in any way we can.

Thank you for your continued support. We look forward to a successful year of learning and growth in mathematics.

Mrs Streater

Head of Mathematics

“Together towards our Lord, through learning, love and faith”



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Year 10							
Similarity			Developing Algebra				
Christmas	Congruence, similarity and enlargement		Trigonometry		Representing solutions of equations and inequalities		Simultaneous equations
	Geometry				Proportional Change		
Lent	Angles and bearings		Working with circles		Vectors		Probability
	Delving into Data				Using Number		
Pentecost	Collecting, repressing and interpreting data		Non Calculator methods		Types of number and sequences		Manipulating expressions
					Indices and Roots		