

Achieving Success – Subject Specific Tips

Subject	Mathematics	Exam Board	AQA
Class and Homework Expectations			
Students should bring the following items each lesson: • Pen • Pencil • Ruler • Rubber • Calculator: Casio fx 83GT CW+, fx 83GT CW, fx 85GT CW+, fx85GT CW, fx 991 CW+, fx 991 CW • Protractor • Pair of Compasses Students will be set homework once per week. This needs to be done to ensure work done in class is consolidated and fully learned. Students are expected to complete all set homework on time. Revision homework may be set as well as regular homework, students should use their PLCs to guide them when revising. Topic list will also be provided to help structure revision.			
Scheme of work			
Year 10 and 11 Students complete a programme of study to complete AQA GCSE Mathematics specification. GCSE in Mathematics should enable students to: • Develop fluent knowledge, skills and understanding of mathematical methods and concepts. • Acquire, select and apply mathematical techniques to solve problems. • Reason mathematically, make deductions and inferences and draw conclusions. • Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context. The Maths GCSE can be broken down into 6 key areas which students are expected to be proficient in. These are as follows: • Number • Algebra • Ratio, proportion and rates of change • Geometry and measures • Probability • Statistics			
Assessment objectives			
AO1 (approx. 50%) Use and apply standard techniques. Students should be able to: • Accurately recall facts, terminology and definitions • Use and interpret notation correctly • Accurately carry out routine procedures or set tasks requiring multi-step solutions.	AO2 (approx. 25%) Reason, interpret and communication mathematically. Students should be able to: • Make deductions, inferences and draw conclusions from mathematical information. • Construct chains of reasoning to achieve a given result • Interpret and communicate information accurately • Present arguments and proofs • Assess the validity of an argument and critically evaluate a given way of presenting information	AO3 (approx. 25%) Solve problems within mathematics and other contexts. Students should be able to: • Translate problems in mathematical or non-mathematical contexts into a process or a series of mathematical processes • Make and use connections between different parts of mathematics • Interpret results in the context of the given problem • Evaluate methods used and results obtained • Evaluate solutions to identify how they may have been affected by assumptions made	

Assessment		
You will be assessed by your Maths teacher throughout the year and from these assessments you will have targets which you must address. Key assessment times are as follows: Year 10: WB 2nd November 2026 WB 8th February 2027 (PPE 1 – in the hall) WB 19th April (End of year assessment) Year 11: PPE2 PPE3 3 external assessments, all to be taken in May/June 2027 at the end of the course Paper 1 - 1h30min Non-Calculator Paper (a third of overall grade) Paper 2 - 1h30min Calculator paper (a third of overall grade) Paper 3 - 1h30min Calculator paper (a third of overall grade)		
How to do well in the subject at GCSE		
• Check the syllabus so that you know what topics you need to cover. Make sure you know which tier you have been entered for - foundation, or higher. • Your teacher will go through which formulas are printed on your exam paper and which ones you have to learn. • Ensure you use the PLCs generated from your assessments to address any misconceptions using the videos provided after the assessment and using SPARX. The more you do now the better you will be come your final exams. • Start with simple examples until you are sure you know what you are doing. Move onto more difficult examples. • Work through past papers from the AQA website or a revision book. The best way to revise Maths is to practise! • Don't leave your revision to the last minute. Plan it well. Break it down into sections and topics. You need strong foundations in basic Maths to build on. • Make sure you have the correct equipment, 2 pens, 2 pencils, ruler, eraser, sharpener, compass, protractor, calculator. • Always check your answers when there is time.		
Support Available		
• One to one support from classroom teacher • Revision guides available to students • Use of Teams and revision guidance provided online. • Sparx -independent practice with instant feedback and personalised to you. • Revision classes (in year 11)		
How parents could help support		
• Please check in with your son or daughter to ensure they revise for key assessment dates • Check they are doing homework on Sparx • Encourage to do extra revision on Sparx – Independent learning, target work and Xp boost. • Encourage them to attend revision sessions (in year 11)		
Useful websites:		
https://www.sparxmaths.uk - homework will be set on here – you can also access any topic you want by searching for it, it doesn't need to be set to you on here either! You can use the videos to remind you of what to do and answer independent questions. https://corbettmaths.com/ - a very good website with lots of videos on different topics and worksheets to practise questions from with answers for you to check your understanding. https://www.draustinmaths.com/ A brilliant website with answers, revision grids at the end of a topic, lots of practice etc.		

