Mathematics GCSE

Exam Board: **AQA** Course code 8300 Two tiers available Higher and Foundation	**3 Papers (equal weighting)** 1 hour 30 mins each; 80 Marks each paper Paper 1 non-calculator Papers 2 and 3 calculator	https://www.aqa.org.uk/exams-administration/exams-guidance/find-past-papers-and-mark-schemes

Skills students are examined on:

Assessment Objectives	
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. **Reason, interpret and communicate 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. **Solve problems within mathematics and in 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.	**Useful websites:** www.MyMaths.co.uk Login Oldbuck and password ratio https://www.bbc.com/bitesize/levels/z98jmp3 https://corbettmaths.com/5-a-day/ https://www.missbsresources.com/quick-wits-revision http://mrbartonmaths.com/students/gcse/ **Useful resources:** CGP GCSE Maths revision Guides and workbooks (available form OBHS) AQA Specimen papers (4 sets available) from the student sharepoint area AQA exam past papers June 2017 and November 2017 available on the student sharepoint area too. (Mark schemes are available for all of the above too).

Suggested revision activities to help your child prepare for the Mathematics exam:

Know all of the formulas off by heart

> Write the facts and formulae on pieces of card (roughly half of A5 size will do). Working in pairs, shuffle cards, one person 'tests' the other. Swap over and repeat. Repeat activity regularly so that the facts and formulae stick.

Practise the content of the course

> Complete one past paper at a time. Your child should seek help with any questions that they can't do. Don't ignore any topics – they will all be in the exam somewhere!

> Using a pad of paper, copy out a previously completed question. Attempt the question again….check your answer. If correct, try a few slightly different ones….if you are getting them right move on to the next topic!

> Professional writing is a great place to learn how to write well. Your child can use a good example of opinion writing (from a newspaper opinion column) as a style model to help them to write their own. They can steal sentence starters, or ideas from it to build their confidence.