



Year 10 Summer Revision Support 2024-25

Mathematics – Higher

Advice and support for all Year 11 Higher students

Regular independent study will aid the recall of knowledge and enhance your skills to ensure targets are met next year

Tick when complete

- Identify weak topics (RED) in mats using the PLCs provided and revise using websites below.
- Master the green topics by completing exam papers available freely online (AQA).
- Use Sparks Maths – watch tutorial videos and copy modelled examples.
- Do at least one Corbett maths five a day (July & August) sheet and mark using given answers
- Download and practice past AQA exam questions from Maths's genie website.
- Learn all formulae by heart.
- Complete exam questions under timed conditions and mark to identify areas of weakness.
- Create an account and use Dr Frost website to strengthen problem solving skills.
- Create a revision timetable that includes all units covered, ensure you allocate extra time for the areas you have identified as a weakness.

Internet websites and apps for study support

- <https://sparxmaths.com/> - (Every GCSE topic with videos and practice questions)
- <https://corbettmaths.com/contents/> - (Videos, practice questions & Five a day)
- <https://www.mathsgenie.co.uk/gcse.html> - (Exam questions)
- <https://mmerevise.co.uk/gcse-maths-revision/> - (General revision)
- <https://mathsbot.com/> - (Excellent for warm up questions, quizzes and formulae)
- <https://www.mathedup.co.uk/> - (Good warm up questions, discussions, quizzes)

Study areas to practise or complete	Where to find the information to revise	Tick when complete
Non- Calculator	Sparx maths clip number	
- Find the nth term of a quadratic sequence	U206	
- Solve linear inequalities (all types)	U509, U759, U738,U145,U339	
- Simultaneous equations (elimination and substitution)	U760, U757, U836,U137	
- Surds – Multiply, divide, expand/simplify, rationalise	U633, U338,U872, U499,U707	
- $Y=mx +c$ (including parallel and perpendicular lines)	U315, U848,U377,U898	
- Algebraic fractions (simplify, add, subtract, multiply, divide)	U103,U437,U294,U685,U457,U824	
- Changing the subject of a formula	U675,U181,U191	
Calculator		
- Volumes and surface areas of prisms	U929,U259,U142,U786,U174	
- Volumes and surface areas of cones and spheres	U871,U464,U523,U893,U771,U484,U915,U116	
- Compound measures (speed, density, pressure)	U151, U910, U527	
- Error intervals, upper and lower bounds	U657, U587	
- trigonometry and Pythagoras (including in 3D shapes)	U605, U283, U545,U627, U319	
- Arch Length and area of sector	U229, U373	
- Algebraic direct and inverse proportion	U640,U407,U364,U138,U238	

Key skills to practise	Where to find support on how to practise	Tick when complete
Learn all formulae by heart	All maths websites will have formulae you need to know.	
Problem solving questions	Maths genie, Corbett maths, sparx maths	
Use of a scientific calculator	Buy your own and practice using different functions	