Year 11 Summer Revision Support 2023-24

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
• Use Sparx Maths to watch tutorial videos and complete online questions.	
• Print off the Sparx Maths PLCs. These summarise everything you need to learn.	
• Download and practice past AQA exam questions from Maths's genie website.	
• Complete exam questions under timed conditions.	
• Mark papers and identify areas of weakness.	
• 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://corbettmaths.com/contents/ - lots of videos and practise questions - 5 a day
-https://www.mathsgenie.co.uk/ - Great for past exam questions and also graded topics
-https://www.mathedup.co.uk/gcse-maths-takeaway/- past exams papers
-https://mathsbot.com/- Excellent for warm up questions, quizzes and formulae
-https://www.drfrostmaths.com/
https://www.sparxmaths.uk/

Study areas to practise or complete	Where to find the information to revise	Tick when complete
Non- Calculator		
- Find the nth term of a quadratic sequence	U206	
- Solve single linear inequalities (all types)	U759	
- Simultaneous equations (elimination and substitution)	U757, U760	
- Surds – Multiply, divide, expand/simplify, rationalise	U499, U338, U633, U872	
- Y=mx +c (including parallel and perpendicular lines)	U315	
- Algebraic fractions (simplify, add, subtract, multiply, divide)	U685,	
- Changing the subject of a formula	U556	
Calculator		
- Volumes and surface areas of prisms	U259, U893, U523, U174	
- Volumes and surface areas of cones and spheres	U617, U116	
- Compound measures (speed, density, pressure)	U842	
- Error intervals, upper and lower bounds	U587	
- trigonometry and Pythagoras (including in 3D shapes)	U164, U170	
- Arch Length and area of sector	U373	
- Algebraic direct and inverse proportion	U357, U721	
- Circle theorems – Cyclic quadrilateral	U251	
- Vectors- Parallel	U660	
- Geometric Sequence	U958	
- Venn Diagrams	U699, U476	
- Recurring decimals	U550, U689	
- Bearings	U164	
- Constructions	U820	
- Box Plots	U879	

- Cumulative frequency	U182, U642, U507	
- Completing the square	U397, U589	
- Change of subject	U556	
- Direct and Inverse proportion	U406, U138	
- Histograms	U267, U185, U814, U983	
- Algebraic fractions	U103, U437, U294, U685	
- Combining ratios	U921	
Key skills to practise	**Where to find support on how to practise**	**Tick when complete**
Sparx Higher topics PLC	**Sparx Maths**	
Problem solving questions	**Maths genie, Corbett maths**	
Learn Knowledge organiser content	**Ms Teams**	