

Year 10 Maths Higher tier EoY Exam Revision List

Dear Parents and Carers,

Find attached the revision lists for your son's end of year exams. I have included the clip numbers for Sparx Maths. Your son needs to go through each list and RAG rate the topics to help him identify the priority areas for his revision. If you have any questions, please email me at msegbafah@ernestbevin.london or contact your son's Maths teacher.

This revision list as a **guide** and is not an exhaustive list of every question on the test, but covers all of the key skills needed for the test. Your son should do the following below;

RAG each topic and start with his **RED** ones. **Watch** the videos and complete the **quizzes**.

Re-watch the video if necessary and complete a '**building block**' to gain confidence.

Use link <https://support.sparx.co.uk/docs/independent-learning> to guide his Sparx independent revision.

Paper 1 Non-calculator(higher)	Sparx clips	RA G	Paper 2 Calculator(higher)	Sparx clips	RA G
Index form (multiplying and dividing)	U235, U694		Displaying sets in Venn diagrams		
Substitution (equations of motion)	U144		Calculating probability from a Venn diagram	U476, U748	
Change the subject of a formula (2-step)	U556		Scatter diagrams	U199	
Percentage of an amount, percentage increase	U554		Use angle facts to solve problems	U390, U826, U628	
Inverse proportion	U357		Compound interest	U332	
Speed, estimating calculations	U151		Area of a trapezium, money (problem solving)	U265, U293	
Estimation	U225		Gradient, solve 2-step equations	U315, U505	
Solving simultaneous equations	U760		Change from ordinary to standard form	U330	
Area of a circle problem solving	U950		Standard form calculations, rounding (significant figures)	U330, U534	
Estimate mean from a table	U877		Error intervals - truncation	U301	
Simplify algebraic fractions involving quadratics	U294		Ratio, percentage profit problem solving	U577	
Factorise quadratic expressions	U963		Product rule for counting	U369	
Best buys with percentages	U721		Simplify algebraic fractions (involving quadratics)	U294	
Index form (combination of rules)	U772		Write algebraic fractions as a single fraction	U294	
Exponential equations, substitution	U985		Exponential growth graphs	U229	
Writing ratios in form n:1, rearranging formulae	U687, U556		Equation of a circle	U567	
Convert recurring decimals to fractions	U689		Independent events and probability trees	U558	
Find the turning point of a quadratic graph	U769		Probability of single events	U510	
Algebraic direct proportion	U407		Ratio problem solving, simultaneous equations	U676	
Brackets involving surds, rationalising surds	U499, U281		Volume, similar shapes, average density	U350, U110, U910	

Conditional probability with algebra	U729		Frequency Polygon	U840	
Gradient $y=mx+c$	U315		Parallel Lines	U848, U377	
Ordering recurring decimals	U870		Perpendicular Lines	U898	
Solve with x on both sides	U870		Simultaneous Equations	U760	
Complete table of values	U530		Expand Triple Brackets	U606	
Drawing quadratic	U989		Quadratic Formula	U665	
Use graph to estimate solution	U875		Calculations with bounds	U587	
Angles in polygons	U427				
Perimeter of sectors (arc length)	U221				
Rationalise denominator	U281				

Useful Websites

www.mathsgenie.co.uk

www.corbettmaths.com

www.sparxmaths.com