|  |
| --- |
| Maths Revision List Summer 2025 for Higher  |
| Exam information: **Exam Board AQA 8300****https:**[**//www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance**](http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance) **There are two 90-minute papers.** **Paper 1 is the Non-Calculator Paper.** **Paper 2 is the Calculator Paper.** **You will need all mathematical equipment.** |
| Topic | Revised? |
| Algebraic fractions  |  |
| Adding, subtracting, multiplying, dividing and simplifying surds  |  |
| Angles on a line, about a point and on parallel lines  |  |
| Box plots  |  |
| Changing the subjects of formulae  |  |
| Circle theorems  |  |
| Congruent triangles  |  |
| Constructing shapes  |  |
| Converting recurring decimals to fractions  |  |
| Equation of a circle  |  |
| Equation of a line from a gradient and a point  |  |
| Estimating roots and powers  |  |
| Expanding brackets  |  |
| Expected results from repeated experiments  |  |
| Factorise quadratics with co-efficient  |  |
| Finding averages   |  |
| Finding bounds for calculations  |  |
| Finding original values in percentage calculations (sometimes called reverse percentages)  |  |
| Finding the length of the arc  |  |
| Frequency tables with grouped data  |  |
| Graphs – with K constant   |  |
| Identities   |  |
| Interpreting frequency tables with grouped data  |  |
| Multiplying and dividing fractions  |  |
| Numbers as percentages of other numbers  |  |
| Parts of a circle  |  |
| Proportionality   |  |
| Rates of change  |  |
| Reading, converting and calculating with time  |  |
| Share amounts in a given ratio  |  |
| Simplifying fractions  |  |
| Solving equations  |  |
| Solving shape problems involving coordinates  |  |
| Solving simultaneous equations using substitution  |  |
| Solving inequalities and representing on a number line   |  |
| Special sequences  |  |
| Substituting into functions  |  |
| Substituting into iterative formulae and finding approximate solutions to equations using iteration  |  |
| Surface area of cone  |  |
| Time series   |  |
| Transformations  |  |
| Use Pythagoras' theorem in 2D  |  |
| Use standard form with negative and positive indices  |  |
| Using the exact values of trigonometric ratios  |  |
| Vector geometry   |  |
| Venn diagrams with set notation  |  |
| Volume of a prism with ratios  |  |
| Revision Links |
| **Websites**Sparx Maths Independent Learning – https://[www.sparxmaths.uk](http://www.sparxmaths.uk/) Corbett Maths – https://corbettmaths.com/ GCSEPod - https://[www.gcsepod.com/](http://www.gcsepod.com/) Seneca Learning - https://senecalearning.com/en-GB/ BBC Bitesize Learning - https://[www.bbc.co.uk/bitesize/examspecs/z8sg6fr](http://www.bbc.co.uk/bitesize/examspecs/z8sg6fr) Oak National Academy - https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/maths Third Space Learning - https://thirdspacelearning.com/secondary-resources/ **Recommended Revision Guides**Collins GCSE AQA revision guides and Corbett Maths revision cards – Available on Wisepay **Recommended Calculators**Casio fx-83 CW, fx-85 CW, Casio Classwiz EX-991 CW (recommended if continuing onto A-LevelMathematics) – underlined models available on Wisepay **Maths Sets:**We have Maths Sets available on Wisepay and are priced at £2, these come in an exam-friendly transparent pencil case. |