

Year 11 Preparing for A-level Maths Home-Learning Course

	Topics to Prepare for A-level Maths	Topic videos on Corbett Maths (corbettmaths.com)
1	Surds	305 - Surds: intro, rules, simplifying 307 - Surds: rationalising denominators 308 - Surds: expanding brackets
2	Rules of indices	173 - Indices: fractional 174 - Indices: laws of 175 - Indices: negative
3	Completing the square	10 - Algebra: completing the square
4	Sketching quadratic graphs	265 - Quadratic graphs: sketching using key points 371 - Quadratic graph (completing the square)
5	Linear/ quadratic simultaneous equations	12 - Algebra: equation of a circle 298 - Simultaneous equations (advanced)
6	Quadratic inequalities	378 - Inequalities: quadratic
7	Rearranging equations	111 - Equations: involving fractions 112 - Equations: fractional advanced 112 - Equations: cross multiplication
8	Algebraic fractions	21 – Algebraic fractions: addition 22 – Algebraic fractions: division 23 – Algebraic fractions: multiplication 24 – Algebraic fractions: simplifying
9	Straight line graphs	194 - Linear graphs: find equation of a line 195 - Linear graphs: equation through 2 points