



NORWICH SCHOOL

Suggested A Level Further Maths Preparation for Year 11 students

These resources have been pulled from a variety of websites, but you will discover that the Dr Frost Maths website has a PowerPoint on each topic and works through the skills required thoroughly. These provide very clear instructions if you want some instruction on each topic.

Wk	Topic
1	Chapter 1 – Powers, Surds and Rationalising the Denominator https://www.drfrostmaths.com/resource.php?rid=269 <i>Worksheet: 1_Surds_and_Indices</i>
2	Chapter 2 – Quadratics: Use of calc to solve QEs, completing the square and interpretation, Quadratic graphs using completed square form, finding a quadratic that passes through 3 points. https://www.drfrostmaths.com/resource.php?rid=270 <i>Worksheet: 2_Quadratics_1_HW</i>
3	Chapter 5 - Straight Line Graphs: Inclusion of $y-y_1=m(x-x_1)$ form of line, parallel/perp lines, length and area. https://www.youtube.com/playlist?list=PL0SSkmc4r_BYXvn57HFckwicq65VFDi_Q https://www.drfrostmaths.com/resource.php?rid=273 <i>Worksheet: 3_Straight_Line_Graphs</i>
4	Chapter 3 – Quadratic Inequalities https://www.drfrostmaths.com/resource.php?rid=271 <i>Worksheet: 4_Quadratic_Inequalities</i>
5	Chapter 6 – Circles: up to finding intersections of circles and lines. https://www.drfrostmaths.com/resource.php?rid=274 <i>Worksheet: 5_Circles</i>
6	Chapter 2 – Quadratics: The discriminant Modelling with Quadratic functions https://www.drfrostmaths.com/resource.php?rid=270 <i>Worksheet: 6_Quadratics_2</i>
7	Chapter 8 – Binomial Expansions https://www.drfrostmaths.com/resource.php?rid=276 <i>Worksheet: 7_Binomial_Expansion</i>
8	Chapter 5 – Modelling with Straight Line Graphs https://www.youtube.com/watch?v=b0vSYcb5gRo&list=PL0SSkmc4r_BYXvn57HFckwicq65VFDi_Q&index=7 <i>Worksheet: 3_Straight_Line_Graphs</i>
9	Chapter 3 – Inequalities: Regions on Graphs

	https://www.drfrostmaths.com/resource.php?rid=271 Worksheet: 4_Quadratic_Inequalities
10	Chapter 6 – Circles: Tangent and chord properties and the circumcircle https://www.drfrostmaths.com/resource.php?rid=274 Worksheet: 10_Coordinate_Geometry