

Maths A-level Transition Plan

The A-level transition pack for Maths consists of two parts:

1. Hegarty Tasks which form the prior GCSE knowledge necessary to complete the course.
2. Text based activities designed to help you develop the skills you will need to develop to become a successful independent learner on the A level course.

In addition you will need to learn time management skills and resilience if they are not already part of your natural skill set.

The table below contains details of each activity and the timeline of when it should be completed. Content in **bold** is likely to be the most challenging.

Activity	GCSE Reference	Deadline
Various Hegarty Tasks (as necessary)	Covers whole syllabus – see additional table	1-6-20
Pure Text Book Chapter 1 Algebraic Expressions	Index Laws, Expanding brackets, Factorising, Negative and Fractional Indices, Surds, Rationalising Denominators	8-6-20
Pure Text Book Chapter 2 Quadratics	Solving Quadratic equations, Completing the Square, Functions, Quadratic Graphs, The discriminant , Modelling with Quadratics	15-6-20
Pure Text Book Chapter 3 Equations and Inequalities	Simultaneous equations (Linear and Quadratic), Inequalities (Linear and Quadratic) and Regions	22-6-20
Pure Text Book Chapter 4 Graphs and Transformations	Cubic, Quartic and Reciprocal Graphs, Points of Intersection, Transforming Graphs	29-6-20
Pure text Book Chapter 5 Straight Line Graphs	$Y=mx+c$, new equation of straight lines , parallel and perpendicular lines, length of line segments, Modelling with straight lines	6-7-20
Pure text Book Chapter 6 Circles	Midpoints and perpendicular bisectors of lines, Equation of a circle, Intersection of straight lines and circles, tangent and chord properties	13-7-20

We will provide online lessons on Teams weekly from 11th May where we will be available to answer any questions on the week's work.

Online Resources:

Mr Hegarty is running live sessions daily at 2pm to help students 'Get ready for A Level Maths'.

Mathsgenie and MyMaths websites are also very useful at A level.

You may want to investigate new A level specific websites – ExamSolutions and MathsPhysicsTutor

If you have any further questions please post in Teams or contact Mr Cole via email RCole@fromecollege.org

We look forward to seeing you in September,

Mrs Cole