



THOMAS ALLEYNE'S HIGH SCHOOL

Level 2 Certificate in Further Mathematics

LEARNING JOURNEY

Other parts of the Level 2 syllabus are covered within the GCSE course, but revision of Level 2 type questions will be required. Topics include:
 Product rule for counting, surds, ratio problems, algebraic fractions, changing the subject of a formula, completing the square, inequalities, proof, trigonometry and circle theorems.

Functions – including inverse and composite functions and domain and range

Sixth - Form

POST-16 PATHWAY

College / Apprenticeships

Differentiation is continued with increasing and decreasing functions, maximums and minimums and second derivative.

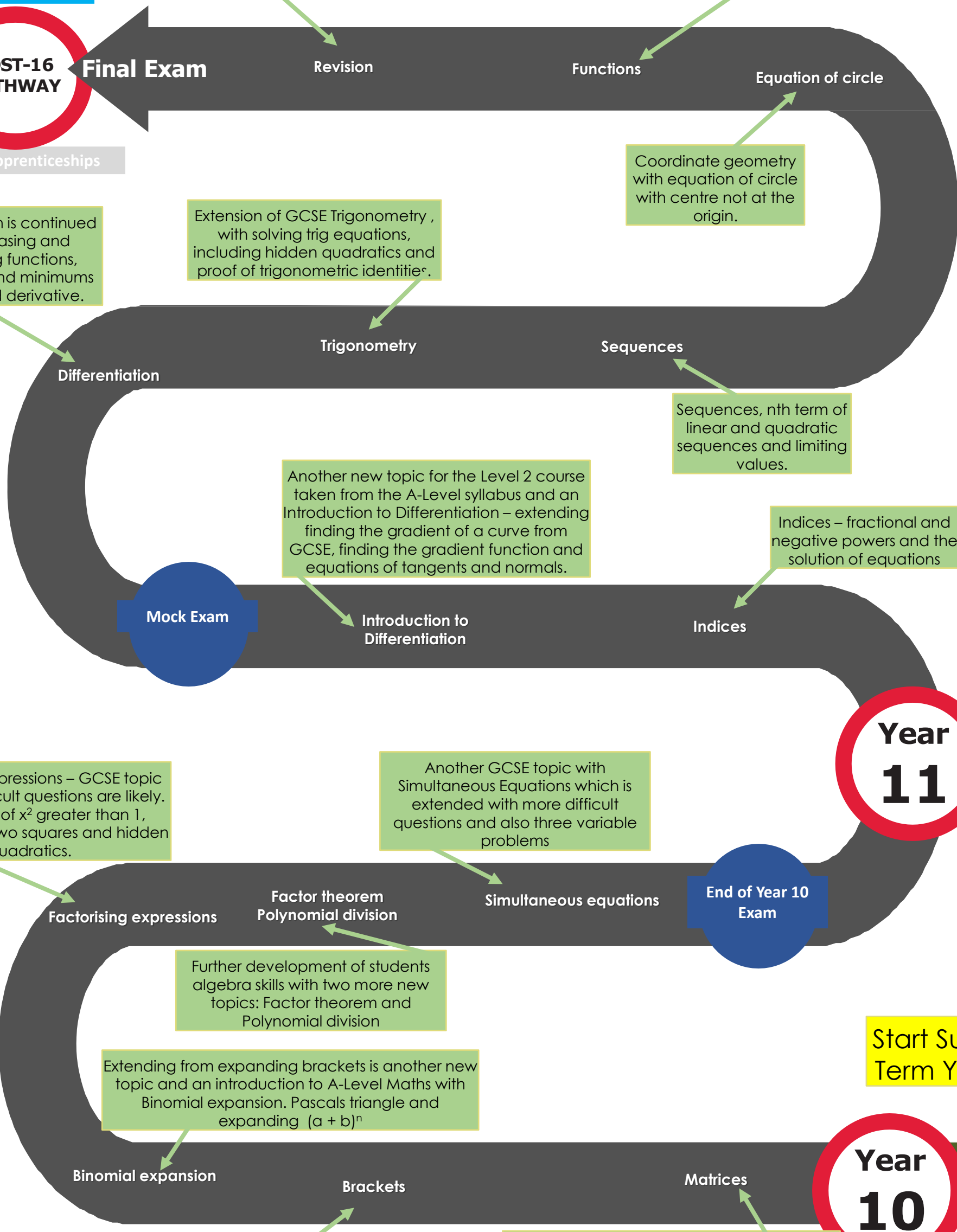
Extension of GCSE Trigonometry, with solving trig equations, including hidden quadratics and proof of trigonometric identities.

Coordinate geometry with equation of circle with centre not at the origin.

Sequences, nth term of linear and quadratic sequences and limiting values.

Another new topic for the Level 2 course taken from the A-Level syllabus and an Introduction to Differentiation – extending finding the gradient of a curve from GCSE, finding the gradient function and equations of tangents and normals.

Indices – fractional and negative powers and the solution of equations



Year 11

Start Summer Term Year 10

Year 10

GCSE Mathematics