

The Further Mathematics Support Programme

# Yr12/13 Problem Solving Sessions

Clarendon Building, Teesside University, Middlesbrough.

09:30 to 1:00: Saturday 8<sup>th</sup> Oct, 19<sup>th</sup> Nov, 4<sup>th</sup> Feb, 25<sup>th</sup> March, 13<sup>th</sup> May.



Each session will look at three areas of mathematics:

October: Identities, geometry and digits and divisibility.

November: Solving equations, combinatorics, factorisation and irrationals.

February: Sequences and series, indices and logarithms, polynomials.

March: Trigonometry, more counting, coordinates and vectors.

May: Curve sketching, binomials, differentiation and integration.

**These sessions provide an introduction to advanced problem solving skills which will be useful preparation for STEP/AEA/MAT and for anyone considering a degree in Mathematics or Physics.**

The problems are based solely on Yr12 AS pure mathematics. Participating students are expected to solve problems, individually or as part of a group. Full solutions will be provided at the end of each session.

These sessions are free to AS students at state schools and colleges.

Presenter: Paul Wilson.

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