

The Further Mathematics Support Programme

Yr12/13 Problem Solving Sessions

Gosforth Academy, Newcastle upon Tyne.

09:30 to 1:00: Saturday 8th Oct, 19th Nov, 4th Feb, 25th March, 13th 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. There will also be a prize for the most elegant solution to particular problems.

These sessions are free to state school pupils.

Presenter: Dr Michael Gibson.

For more information email: philmoxon@furthermaths.org.uk