

GCSE
Higher
Maths

Topics



LEARN LAUGH PLAY

Number

Reverse percentages,
Standard form,
Direct and indirect
proportion,
Indices,
Surd,
Bounds

Algebra

Changing the subject of a
formula,
Expanding and factorising
quadratics,
Solving quadratics,
Drawing quadratic graphs,
Simultaneous equations,
Midpoint of a line,
Trigonometry,
Exact Trig values,
Midpoint of a line,
Gradient of a line,
Equation of a line,
Inequalities on a graph,
Quadratic formulae

Geometry

Vectors,
Sector areas and arc lengths,
Spheres and cones,
Parallel and perpendicular
lines,
Similar shapes,
Transformations,
Enlarging with negative
scale factors,
Circle theorems,
Finding the area of any
triangle,
The sine rule,
The cosine rule
Congruent triangles,
3D Pythagoras and
trigonometry

Statistics

Speed and density,
Venn diagrams,
Probability trees,
Cumulative frequency,
Box plots,
Histograms

N.B. The topics above indicate a guide to the course.