

KS4 GCSE Journey

Higher Level Maths



Leigh Academy
Ebbsfleet

KS5 Maths

Module 4

Geometric proof,
vector proof,
non-linear graphs

Revision

Mixed topics

Module 3

Linear and quadratic inequalities,
functions, graph transformations,
iteration, algebraic proofs, area and
volume of similar shapes.

Module 2

Trig ratios and graphs, non right-angled
trigonometry, 3D Pythagoras and trig,
circle theorems, histograms, conditional
probability

Module 1

Surds, algebraic fractions, solving
quadratics, simultaneous equations

**Year
11**

Module 6

Index laws, fractions and recurring
decimals, expanding and factorising
brackets, cumulative frequency and
box plots

Module 5

Sequences, sampling, direct
and inverse proportion,
transforming shapes,
bounds

Module 2

Rearranging formulae, right-angled
trigonometry (SOHCAHTOA),
constructions and loci

Module 4

Tree diagrams, density and
pressure, working with ratios
and algebra

**Year
10**

Module 1

Compound interest,
surface area, volume,
simultaneous equations

Module 3

Equations of linear graphs, real
life graphs, Venn diagrams and
set notation

KS3 Maths

Some of these topics may be missed out subject to tiering.
Year 11 topics may change due to teachers creating bespoke
curriculums accorsing to class needs.