

Learning Journey

Mathematics - Key Stage 4

Higher

Growth and decay

Gradient and area
under a curve

Iterations

Proof

Algebraic
fractions

Quadratic
sequences

Circle theorems
and geometry

Functions

Graph
transformations

Inequalities
(graphical)

Quadratic
inequalities

Vectors

11

Further
trigonometry

Compound
measures

Non right-
angled triangles

Accuracy
and bounds

Constructions in 2D and 3D,
loci, maps and bearings

Advanced
probability

Geometry reasoning
and problem solving

Similarity and
congruence in 2D & 3D

Trigonometry in right-
angled triangles

Perimeter, area
and volume

Calculating missing side
lengths and angles, with and
without a calculator

Simultaneous
equations

Direct and inverse
proportion

Reasoning
with data

Geometry reasoning
and problem solving

Constructing and
solving problems
algebraically

Collecting,
representing and
analysing data

Angles, polygons,
parallel lines

Quadratics

Straight
line graphs

Rearranging
formulae

Recurring
decimals

Surds and
Indices

10

Equations of straight lines
between two points,
perpendicular lines

where the unknown
occurs more than once

Fractional and change
of base problems, surds

Solving
and
sketching