

## Learning Journey Mathematics - Key Stage 4 Higher

Gradient and area Iterations Functions Proof Algebraic under a curve

Quadratic Quadratic Circle theorems Graph Inequalities inequalities sequences and geometry transformations (graphical)

111

Vectors

Further

Similarity and

trigonometry congruence in 2D & 3D

Non rightangled triangles

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

Advanced probability

Compound measures

Accuracy and bounds

Geometry reasoning and problem solving

Trigonometry in rightangled 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

Solving and sketching

Quadratics Straight line graphs

Rearranging formulae

Recurring Surding decimals Inc

Surds and Indices

Equations of straight lines between two points, perpendicular lines

where the unknown occurs more than once

Fractional and change of base problems, surds