



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

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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

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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