

STAGE 9 END POINTS

Construct a frequency polygon

Draw and interpret a stem and leaf diagram

Know how to plot scatter graph

Interpret a scatter graph, using lines of best fit

Calculate with roots and indices

Write Error intervals

Calculate with numbers written in standard form

Manipulate algebraic expressions by expanding the product of two binomials

Manipulate algebraic expressions by factorising a quadratic expression ($a = 1$)

Use ruler and compass methods to construct perpendicular bisector

Use ruler and compass methods to bisect an angle

Generate fibonacci type sequences

Generate terms of a quadratic sequence

Know how to represent an inequality on a number line

Solve linear inequalities with unknowns on both sides

Know how to solving missing angle problems using angle properties in polygons

Know the difference between direct and inverse proportion

Change freely between compound units

Solve problems involving similar shapes

Calculate the area of a sector and arc length

Calculate exactly with multiples of π

Calculate the surface area of right prisms (including cylinders)

Apply Pythagoras' theorem in two dimensions

Use a multiplier to increase and decrease by a given percentage

Find the original value after a percentage change

Understand and use the gradient of a straight line to solve problems

Know the shapes of the graph of a quadratic, cubic & reciprocal function

Plot and interpret graphs of quadratic functions

Solve linear simultaneous equations algebraically

Solve linear simultaneous equations graphically

Use tree diagrams to list outcomes