

# Mathematics

All students will sit a summative assessment at the end of each term to track progress – scores will be given as grades using exam grade boundaries.

Throughout each term students will receive mini fluency quizzes once a fortnight to assess their knowledge and identify any gaps.

A full GCSE series – 3 papers (2 calc and 1 non calc).

By the end of term 3 students should be able to factorise and solve quadratics when  $x^2 > 1$ , interpret and use gradients as a rate of change

By the end of term 2 students should be able to solve problems with direct and inverse proportion, manipulate fractional indices and convert between recurring decimals and fractions.

By the end of term 1 students should be able to calculate the volume and surface area of spheres, cones and pyramids, fully describe any type of transformation and work with vectors

