



Faculty	Mathematics
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### Outcomes

Outcomes for all students have continued to rise both across the academy and within our faculty area. Our last set of external GCSE results were above the national average. The team is focused on ensuring that we continue this very positive trend and continue to recruit more students into Key Stage 5 courses in our subject area. Further information on our achievements and progress can be provided to candidates who are invited for interview or by contacting the subject leader.

### Facilities

We benefit from very well maintained and purpose-built accommodation. All classrooms have an interactive screen and visualiser for modelling. Our classrooms are suited together to help provide an ethos of collaboration and support for all colleagues. The academy has continued to invest in our facilities and receives good levels of funding from the Redhill Trust to ensure we remain well-resourced and work in facilities that the staff and students can thrive within.

### Curriculum

Students in Key Stage 3 are set via ability which allows them to be suitably supported and challenged during all lessons. Our MathsPad curriculum is designed to deepen the student's mathematical understanding of topics with constant opportunities for pupils to reason and problem solve. We follow a two-year Key Stage 4 at The Carlton Academy with students being assessed via Edexcel. All lessons are designed to suit the needs of the learners and prepare them to be successful at GCSE. Our most able students also have the opportunity to take the AQA Certificate Level 2 Further Mathematics supporting their GCSE and preparing them for A-Level. A Level Maths is a popular choice at Key Stage 5 with student numbers continuing to increase. Our students study the Edexcel A level and Further Maths syllabus.

### Network and CPD offer

We benefit from and contribute to the wide CPD offer in the academy and also the Trust subject networks. Working in partnership with other subject leaders and teachers provides us with the opportunity to share expertise and ensure we are continually able to reflect and further improve all that we do in order to raise the achievement of students.

### Enrichment

All homework is set through Sparx and fully differentiated to meet the child's needs. Carlton has consistently been in the top 100 schools for homework completion this year. We run a 'Sparx support club' to ensure that every student is able to feel success and achieve 100% each week. In addition to this we offer a Maths Challenge club weekly to stretch our most able students and support in taking the UKMT Challenge which Carlton Academy continues to get successful results in. Teachers in the Maths department have an open-door policy for supporting students with weekly 'Maths Drop In' sessions providing an informal environment for students to be supported mathematically.