During my time at Carmel so far, I have really enjoyed all of my subjects. The level of support offered is incredible, and really gives you the confidence to tackle extremely challenging questions. I attend STEP/MAT/AEA preparation sessions during the Enrichment slot, which introduce you to the new style of questions that are used in university entrance tests. The practice is really useful, and I find that it makes it easier to think around any awkward questions in the exams. We also have the opportunity to take part in competitions. A few months ago, I took part in the Senior Team Maths Challenge. This involved working as part of a team of four, competing against other schools and colleges in the North West. The reasoning and teamwork skills gained from this were, for me, applicable across all of my subjects. After leaving Carmel, I will study Maths, possibly at Oxford or Cambridge.

BETHANY ANDERSON, Gateacre School
Studying French, Maths, Further Maths, Physics

Mathematical Sciences
As part of the Mathematical Sciences High Achievers’ Programme, you will be supported by our Mathematical Sciences High Achievers’ Co-ordinator, who, assisted by departmental staff, will offer you specialist help to ensure that you develop your interests in these subjects. You will receive advice as to which degree course will best suit your future career ambitions and you will be supported at all stages during the UCAS application process.

During your first year, there will be a number of opportunities for you to develop your subject experiences across the Mathematics, Computer Science and Economics departments. These include enrichment opportunities, such as a course in code breaking, sessions on solving Mathematical problems and participation in regional and national Mathematics competitions, such as the UKMT Senior Mathematics Challenge and the Liverpool Mathematics Society Maths Quiz.

At the beginning of the second term, as you begin to consider which Mathematics related courses you may pursue at degree level, you will have the chance to attend a variety of events and lectures, such as the Maths Inspiration Lectures and a 10-week Economics lecture course organised by the University of Manchester, to gain an insight into studying those subjects at degree level. There will also be talks held by former Carmel students studying Mathematics related courses at prestigious institutions.

The second year will begin with a focus on UCAS applications and you will be given specialist support at admissions workshops, which will cover all aspects of the admissions process, from choosing the right degree course to writing an effective Personal Statement.

The focus will then shift to preparing for interviews and admissions tests, such as the MAT used by Oxford and Imperial College London, STEP which is favoured by Cambridge and Warwick, and the AEA This support will take the form of weekly sessions delivered in college, and you will also have the opportunity to attend external sessions organised by the Further Maths Support Programme in Liverpool.