# Mathematics at High Storrs

## Staffing

This year the Maths Department consists of 10 full time, 3 part time teachers and an HLTA. Most of the current team are Maths graduates and teach to the full 11-18 age range.

**Lessons**

We have five, one-hour periods each day. Years 7 and 8 have three periods of Mathematics a week, Y9-11 have 4 periods whilst the AS and A2 courses run on 5 periods a week. Maths with Further Maths is taught separately over eight periods per week in year 12 and seven periods per week in Y13.

**Courses Offered – from September 2018**

**Key Stage 3 (Y7-8):**

We are continuing to develop a rigorous and challenging scheme of work at all levels. Staff are encouraged to design and prepare resources for their classes which can then be shared across the whole team. Students are split into half year group with 4 sets in each half.

**At Key Stage 4 (Y9-11):**

From September 2016, all Key Stage 4 groups started to follow the new 9-1 GCSE course which is assessed at the end of Year 11. We place an emphasis on problem solving and building up resilience for students, ensuring that we teach for understanding. Students are set across the year into 9 classes.

We also offer GCSE Statistics as part of our Personalised Curriculum to a mixed aged cohort of Year 10 and 11.

Students in set 1 during Y11 have the option to study and sit the Additional OCR L3 qualification. No additional time is given over to this; it is all studied during curriculum hours.

**At Key Stage 5**

From September 2018, both our Y12 students and Y13 students will be following the new linear A-Level Edexcel specification. For those studying Further Maths, students following the model of completing the A-level Maths course in Y12 and then the Further Maths course in Y13.

**Vulnerable students**

Special needs staff support students who have learning needs in lessons where possible. Some students with severe hearing loss are taught in the Integrated Resource for the Hearing Impaired, but are integrated into lessons wherever possible, with support. We have an HLTA in the maths department who works with Pupil Premium students, children who arrive in Y7 who are not secondary ready, vulnerable pupils and those who have severe language barriers.

**ICT**

There are nine fully refurbished mathematics classrooms; each has its own Interactive Whiteboard and projector. There are several visualisers within the department. There is also a class set of hand held voting pads for use within the classrooms. Any contributions to programmes of delivery of Maths through ICT are welcome.

### Results

* Our GCSE results remain strong, this year 83% achieved grades 4-9 (74% A\*-C in 2016), 70% 5-9 and 14% grade 9’s (31 students).
* AS and A2 entry is quite diverse. Last year 95% of A2 Maths candidates achieved A to E, and 70% achieved A\*-B.