# Mathematics Curriculum Area

This is a happy, hardworking and co-operative curriculum area. We regularly meet to discuss our teaching strategies, share resources and discuss new initiatives. We aim to deliver effectively a curriculum that motivates and encourages all students to realise their potential and enjoy mathematics. We promote mathematical thinking and develop problem solving skills. We want to engage all learners in their maths education and equip each student with the mathematical skills which they will need in the future.

The maths department has a full time staff of nine together with three part-time colleagues. We also have one higher level teaching assistant dedicated to the maths department.

Each of our 11 classrooms has an interactive white board and we are continually expanding our extensive range of resources and software to enhance teaching and learning. We subscribe to MyMaths, MathsWatch, JustMaths, MathsBox and ActiveLearn. We have access to two laptop trolleys with 20 mini-notebooks, for use in the classroom using a wireless network.

Students are set according to ability, from year 7 through to year 11. We have very high expectations for all our students and the progress of all groups of students is monitored. Students are supported through small group intervention.

Last year we introduced the Pearson KS3 Maths progress course for students in years 7 to 9. At Key Stage 4 all students follow the new GCSE 9 to 1 course, examined by Edexcel. GCSE Statistics is offered as a ‘twilight’ session.

It is our intention to provide access to GCSE for as many students as possible and we have regularly achieved a 100% GCSE pass rate. 78% of students achieved GCSE A\* - C grades last year with 23% attaining A - A\*. 32% of all students exceeded expected progress and we are looking to push this forward in the coming years.

We are keen to promote enjoyment and excitement in maths. Individual and Team challenges coordinated by the UKMT and the Further Maths Support Programme extend and enrich our more able students. All Year 7 students are given the opportunity to spend a day at the Eden Project undertaking mathematical activities to reinforce learning outside the classroom.

We have been recognised as a ‘hub’ centre by Edexcel and lead a collaborative network meeting for maths teachers in Cornwall each term. The Edexcel maths team provide the most up-to-date information regarding qualification reform and teachers are able to share their knowledge, expertise and successful teaching and learning approaches.

For more information please visit the Mathematics Curriculum area at [www.richardlander.co.uk](http://www.richardlander.co.uk)

Wendy Vincent

Head of Department (Mathematics)