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|  <p>www.furthermaths.org.uk/wales</p> |  |
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| Case Study | Sir Thomas Picton School |  |
| Address | Queensway, Haverfordwest SA61 2NX 01437 765394 | |
| Number of students aged 16 – 18 2013/14 | | |

Case Study:
Teacher – *Andrea Picton-Davies, Head of Mathematics*

Further Maths Delivery:

Offering Further Mathematics is important in our school as the subject allows students to do more Mathematics and thus to reach a depth of knowledge needed for studying Science, Engineering and Maths itself. We are well aware that some universities now require Further Mathematics and as a school we did not want to limit our students' choice. We want each student to succeed in whatever they choose to do. Offering Further Mathematics also helps to motivate my staff. As it happened we had a number of teachers willing to teach Further Pure, Mechanics and Statistics and they appreciated an opportunity to develop. We have been running our AS Further Mathematics class for five years now. But only with the help of the FMSP Wales were we able to offer a full A-level to our students.

The school joined the FMSP Wales programme at its commencement in 2010 as we wanted to raise the profile of Mathematics. We wanted to push both students and staff to achieve more. Both of these we achieved successfully by now.

Benefits of Studying Further Mathematics?

Some of the highlights of the Further Maths Support Programme that our school find beneficial are listed below:

- Taking our Y10 mathematicians to a conference Let Maths Take You Further towards the end of the year.
- Arranging for Career in Mathematics talks to be run in the school for those in Year 11 to attend.
- Masterclasses which interested students to attend when they start in Y12.
- Students who study Further Mathematics are supported in revision sessions for A-

level Maths, Further Maths and Additional Mathematics. We are based in a rural area and appreciate that some of the revision sessions are run online.

We also find that Staff benefit from attending the above events and we are planning to use some of the materials in school.

It is vitally important for us that FMSP Wales' events are not limited to students willing to study Further Mathematics but are for everyone interested in Maths starting from KS4. It changed our students' perception of Mathematics A-level and inspired them to work harder. We were delighted to hear that one of the students achieved an A* in Further Maths this year. We also have more As and A*s in A-level Mathematics now.

Our collaboration with the FMSP Wales has proved to work well. As in many other schools our AS Further Maths class is not timetabled and we appreciate the help of the FMSP Wales very much. Being taught online and encouraged to work independently our Further Mathematics students develop as independent learners. While I would love to see the class fully timetabled, I feel the combination of in-school support and FMSP tutorials is working well. We are planning to continue working with the FMSP Wales to further develop staff and push our able students to achieve even more.