DEVIZES SCHOOL - MATHEMATICS FACULTY

**The Faculty Team**

We currently have a team of 8 specialist mathematicians. Each member of the Faculty teaches across the age and ability range.

Mark Shadrick Head of Facuty

Nicola Faill (NRF) Deputy Head of Faculty.

Gary Gaynor (GXG) KS5 Coordinator.

Alex Gross-Wilkinson (AGW) Full time

Vix Mackay (VMM) Full time (Head of King House)

Fiona Johnson (FXJ) Full time

David Maundrell (DRM) NQT Permanent (Part time 0.4)

Maxwell Thomas (MLT) Temporary (Part time 0.6)

Vacant Permanent (0.85-full time, 5 days)

**Curriculum**

Pupils are set for Mathematics throughout the school.

* Year 7 are set using Key Stage 2 results, and all years are taught in half-year cohorts.
* At Key Stage 3 (Y7,8 and 9), students follow the National Curriculum, and are assessed using APP and bi-termly tests.
* At Key Stage 4, students follow the Edexcel Linear Syllabus, starting in Year 10.
* There are approximately 30 students studying A Level Mathematics. We offer courses in Mathematics and Further Mathematics following the Edexcel syllabus.
* The department actively provides for the development of each student through after-school revision classes and sixth form study sessions. We also promote Mathematics throughout the school through participation in the UK Senior, Intermediate and Junior Maths Challenge, both individual and team.

**Recent Mathematics results**

GCSE Mathematics results improved steadily from 2010 to 2013 reflecting the improved leadership and overall development and improvements in the mathematics faculty.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Maths GCSE Results** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016 (prediction)** |
| **% 3 LoP** | 51.0 | 60.1 | 62.1 | 67.0 | 46.0 | 58.0 | 66.7 |
| **% A\*-C** | 49.0 | 59.8 | 70.4 | 63.8 | 52.0 | 64.9 | 63.1 |

In the Ofsted report of July 2015, the School was judged “good” overall and “good” in each category. The report acknowledged that teaching in mathematics had improved, however improvements still needed to be made in identifying and acting on students’ areas of weakness. The department are working hard in this area to ensure better progress is made by all pupils.

In 2015, 65% of all Year 11 students achieved at least a C grade in Mathematics which was a significant increase after a dip in 2014. However, only 58% of students made at least 3 levels of progress, which, although an improvement on the previous year’s results, is still below our expectations. Predictions for 2016 are promising, and the faculty are working hard to help ensure the students are fully prepared for the summer exams.

In the **Sixth Form**, the A level results in 2015 were:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A\* | A | B | C | D | E | U | %A\*-B | %A\*-E |
| A level Maths | 1 | 1 | 1 | 4 | 2 | 3 | 0 | 25% | 100% |
| Further Maths | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 100% | 100% |

There are 8 students in Year 13 studying A level Maths (5 Mechanics and 3 Statistics). We have 3 students studying Further Maths in this year group. This is lower than we would expect, and links with the poor GCSE grades of 2014.

The current Year 12 has 18 students studying AS level Maths (8 Mechanics and 10 Statistics). There are three students studying Further Mathematics in this year group.

Starting in September 2016, all A level students will study Statistics and Mechanics, rather than the two separate A levels.

**Accommodation**

The Mathematics faculty is accommodated in a wing of the school, providing 7 large and well equipped specialist teaching rooms and an office, which provides a separate work area for staff. Every classroom has an interactive whiteboard, providing access to a wide range of resources via our school VLE.

**Plans for improvement**

The Mathematics faculty has strong plans to improve this year. These include:

* Effective, targeted intervention in KS4 (Year 11)
* Improved examination preparation for students in Years 10 and 11
* Continued development of new KS3 SOW with a focus on “mastery”
* Continued development of SOW for the new GCSE syllabus to ensure improved consistency in delivery and assessment at KS4
* Continued support and development of Teaching & Learning within the faculty

Mark Shadrick

Head of Faculty

Mathematics