SHELDON SCHOOL

MATHEMATICS FACULTY

The faculty teaches in a suite of nine rooms, in the "Maths block" and two mobile classrooms nearby. The mathematics faculty room, located in the maths block, is a central focal point for the team. We work closely together and this is one of the strengths of the team. The faculty currently consists of ten full-time and two part-time teachers of Mathematics. All maths rooms are equipped with interactive whiteboards, which are connected to the Internet.

At KS3 we have rewritten new schemes so that we follow the new specification for teaching Maths. We feel that the new frameworkdhas allowed us the opportunity to evaluate the way we teach, and has offered us many new ideas that we can try. At KS4 we are currently following the AQA 8300 course. At AS/A2-level we offer the Edexcel modular course. All students take a combination of Pure, Mechanics and Statistics modules. In our present Year 12 we have eighty students studying AS-level Maths and about fifty students studying A2 level in Year 13. We also run a Further Maths course which attracts about ten students each year.

In our schemes of work we encourage a range of approaches to develop all of the necessary skills. When appropriate, teachers will lead fairly didactic lessons but we also encourage the use of activity work, aural work, games etc. The interactive boards have enabled us to have a wider range of approaches. Functional skills activities are embedded within our schemes of work.

We have a range of textbooks. At KS3 we primarily use the new Collins Frameworking for Years 7, 8 and 9 along with the interactive software. At KS4 we use the Collins textbooks written specifically for the course. We have 'Boardworks' software for KS3 and KS4. We also subscribe to the Internet site "My Maths" which offers us a number of interesting ideas. We hope teachers can choose resources that are appropriate to the group.

Our results at all levels are well above national standards. About 80% of students gain grades A*-C at GCSE, with about 25% gaining an A* or A. Our results at AS and A2 are very good, with 65% of Year 13 gaining grades A*-C in 2016.

In 2009 and 2012 our Maths Challenge team represented the south-west at the national finals in London after winning the South West heat.

We encourage the use of ICT work to complement our classroom work. We have 32 laptop computers and 32 iPads in the Maths block. These are bookable and all classes regularly have ICT lessons to consolidate their classroom work.

The faculty is a very happy and experienced department, which works closely together and shares ideas. We look forward to welcoming a new member of the team who can bring new ideas.

Glenn Avery
Head of Mathematics Faculty

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