



# STOCKPORT GRAMMAR SCHOOL

## The Mathematics Department

### School Description

Stockport Grammar School was founded in 1487 by Edmond Shaa, a goldsmith and Lord Mayor of London. It moved to its present site on the southern outskirts of Stockport in 1916, the new buildings being financed by the Worshipful Company of Goldsmiths, with which ties still exist. It has been independent since 1975 and co-educational since 1980. There are 1150 pupils aged 11 – 18, 50:50 boys and girls, and there is a substantial Junior School and Nursery on the same site with its own Headmaster, providing around half the Year 7 intake each September. The School's commitment to serving the local community is demonstrated by a well-established bursary scheme.

The campus is spacious and well-resourced with a mix of traditional buildings and more modern additions, the latest being the Woodsmoor Building completed in 2012. There are two very attractive quadrangles at the historic centre of the School. There is also a Sports Hall and pool, an all-weather surface and extensive grass playing fields.

The pupils are courteous, well turned out and enjoy friendly, respectful relationships with staff and with one another. They are grounded, unpretentious and purposeful and are demonstrably committed to the ethos of their school. Responsibilities are widely shared. Their welfare is well-supported by an excellent and vigilant pastoral system. There is no such person as a 'typical' pupil at Stockport. Just as academic and sporting achievements are celebrated, so are personal attributes and individuality.

Parents strongly support the atmosphere and life of the School and their responses to regular independent parental surveys show high levels of satisfaction.

In its latest report, in 2019, ISI concluded that "the quality of the pupils' academic and other achievements is excellent" and "the quality of the pupils' personal development is excellent". The curriculum is broad and balanced and there is a wide range of options in the 270 pupil strong Sixth Form, complemented by the time spent on the EPQ or an Enrichment Programme. Results in public examinations are impressive on a consistent basis.

Co-curricular activities constitute a pillar of the School's ethos and are a great factor in its success. This element forms a central part of Stockport's mission statement, demonstrated through the rationale that it is important "to encourage personal and physical development and inculcate a sense of self-belief and esteem." The School offers a vast range of activities to accommodate all tastes. Major sports are coached to the highest level and enjoy considerable success on the school circuits and in achieving representation at county and national level.

Because of its location, Stockport draws most of its pupils from the southern and eastern suburbs of Greater Manchester and north Cheshire; but the catchment area extends as far as Trafford, Macclesfield, Glossop and Oldham.

Known for high standards in academic results, pastoral care and the breadth of its extra-curricular programme, the School offers many different routes to success, as different as the individuals it educates. Staff are motivated to discover the talent of each child so that activities can be offered which will help build skills and grow their sense of self-worth.

### **Working at Stockport Grammar School**

The school offers a competitive salary and enrolment into a generous contributory pension scheme. In addition, employees who have children in the school are eligible for a percentage remission of fees. Lunch is provided free of charge during term time and all staff are able to use the school's sports facilities which includes use of the swimming pool. The school provides access to an Employee Assistance Programme for all members of staff.

### **The Department**

The department has 14 members of staff and occupies 11 classrooms. The department is well supplied with computers, interactive whiteboards and other practical equipment.

### **Lower School**

In the First Year the pupils are taught in their form groups. Although all pupils have a sufficient level of competency, there seems no upper limit to the ability of a significant number of our intake. Therefore, it is our policy to begin setting according to mathematical progress from the Second Year onwards. Some transferring between sets is possible during the year and it is reviewed fully at the end of each year.

### **GCSE**

The compulsory GCSE course in Mathematics runs over two years. Pupils are taught in sets with each pupil placed in the set which will enable him or her to achieve the best GCSE grade (the IGCSE Edexcel Mathematics qualification is graded 9-1). What distinguishes one set from another is the pace at which new theory is introduced, absorbed and retained and the same topic may be presented to the sets in different ways.

Pupils in the higher sets also study the Level 2 Certificate in Further Mathematics. Pupils also have the option of taking GCSE Statistics as an extra-curricular option.

### **A Level**

Sixth Formers take the Edexcel Mathematics course. This comprises of three papers (two pure and one applied consisting of Mechanics and Statistics). All three papers are taken at the end of the course.

It is required that all students taking Mathematics at A-level have a grade 7 or above at GCSE. The vast majority of candidates at Stockport Grammar School are

in this category which enables teachers to make fast progress and teach beyond the syllabus.

### Further Maths

It is possible to study two A-levels in Mathematics. Assessment is at the end of the course consisting of four papers covering further pure, mechanics, statistics and decision. Pupils who are considering taking this qualification should be comfortably on course to achieve a grade 8 or 9 at GCSE.

### Examination results from recent years

#### IGCSE Mathematics (Edexcel)

Year	9	8	7	6	5	4	3	2	1	Total
2023	18	26	38	31	25	8	2			148
2022	30	58	38	20	7	4				157
2021	41	60	51	19	14	9				194
2020	43	31	42	27	11	1				155
2019	35	27	36	26	28	12				164
2018	30	38	34	25	17	11	3			158

#### A Level Mathematics (Edexcel)

	A*	A	B	C	Below C	Total number of entries
2023	10	20	15	13	16	74
2022	13	10	14	8	9	54
2021	21	13	12	4		50
2020	15	12	13	3		43
2019	11	11	9	5	4	40
2018	16	12	10	4	2	44

#### A Level Further Mathematics (Edexcel)

	A*	A	B	C	Below C	Total number of entries
2023	2	3	4			9
2022	4	5				9
2021	8	4	1			13
2020	6	3				9
2019	5	4		3		12
2018	5	1	1			7

### Co-Curricular

The Department regularly have pupils who qualify for the follow-rounds at Junior, Intermediate and Senior levels in the UKMT Maths Challenges. Pupils are entered into other competitions (both team and individual) which includes

- The Alan Turing Cryptography Competition,
- The National Cipher Challenge,
- The MEM Challenge organised by Liverpool Mathematical Society,
- Fourth Year Maths Feast organised by the AMSP

Pupils have also participated in the past at Sixth Form Pop Maths quizzes at local universities, attended the Maths Inspiration Lectures and have been on trips to Oxford University, University of Manchester, Bletchley Park and escape rooms. There is also a maths trip to Disneyland Paris this year; we are keen to develop and enhance our co-curricular provision.

### **The Vacancy**

We are seeking to employ an energetic, enthusiastic and well qualified teacher of Mathematics. The successful candidate will have excellent subject knowledge and be able to teach up to A Level. They will also be involved in keeping schemes of work up to date, creating assessments and contributing to departmental resources.

All teachers at Stockport Grammar School are expected to contribute to the wider life of the school. The successful candidate would be encouraged to take a full role in supporting pupils on educational visits, as well as encouraging their involvement in Mathematical competitions and challenges.

If you have any further questions about the department, information can be obtained from the current Head of Department, Mr Greig Frankland-Wilkinson by e-mail at [FranklandWilkinsonG@stockportgrammar.co.uk](mailto:FranklandWilkinsonG@stockportgrammar.co.uk)

### **Person Specification**

The successful candidate is likely to be able to demonstrate the following:

- A good honours degree, a PGCE or equivalent and QTS
- Experience of delivering outstanding lessons
- Significant understanding of Teaching & Learning pedagogy
- Experience of developing and implementing Schemes of Work
- Proven ability to build close professional relationships with other colleagues
- Good skills in ICT, and in verbal and written communication
- Proven ability to develop vision, to plan and to innovate
- Commitment to continuing professional development
- Commitment to Safeguarding