



Science Faculty

Kesteven and Grantham Girls' School

The Science Faculty comprises 12 teaching staff and 2 technicians. The department is well-resourced and based in its own suite of 11 well equipped laboratories, a science seminar room and two science ICT rooms. Full-time Science teachers at KGGS are usually allocated their own teaching laboratory, where the majority of their lessons are timetabled to take place.

The Science curriculum has the following structure:

In **Year 7** and **Year 8** Science teaching is based on, and supported by, a comprehensive scheme of work, developed in house; AQA Activate Resources and worksheets compliment this. Assessment is based on our in-house system, linked explicitly to the science content at KGGS.

In **Year 9**, classes are taught by subject specialists. This continues through **Years 10/11** where the AQA separate GCSE courses in Biology, Chemistry and Physics are followed by the majority of students.

The science subjects are popular choices at A-level, with over 55% of students entering the Sixth Form choosing to study at least one Science.

In **Year 12** and **Year 13** students in Biology follow the AQA A-Level specification, whilst in Chemistry and Physics they follow the OCR A-level course with the practical competency being assessed through regular practical work.

Typically, across **Year 12** and **Year 13**, we have 6-7 Biology groups, 6 Chemistry groups and 2-3 Physics groups.

Standards of attainment in Science are high at the school:

| GCSE - Summer 2024 | Biology | Chemistry | Physics | Combined Science |
|--------------------|---------|-----------|---------|------------------|
| 9 – 7 % | 51 | 53 | 50 | 0 |
| 9 - 5 % | 89 | 84 | 88 | 47 |
| 9 – 4 % | 100 | 99 | 96 | 82 |

| A-level Summer 2024 | Biology | Chemistry | Physics |
|---------------------|---------|-----------|---------|
| A*-B % | 63 | 66 | 50 |
| A*-C % | 81 | 79 | 50 |

The Science department places great emphasis on high expectations and standards of achievement of all students. We aim to enable all students to achieve their full potential in Science and to develop an understanding of the application of Science in their society. The sharing of ideas and good practice is strongly encouraged. We are committed to regular review and evaluation of the activities and practices within the department, to maintain the highest standards of individual achievement.