# Prince William School

# Science Department

# Accommodation

The Science department is housed in a new purpose-built Science block, with 14 state-of-the-art laboratories, two large prep rooms, a staff room, and a welcoming central area. All of the classrooms are equipped with interactive whiteboards.

# Curriculum

In Key stage 3 students study a combined science course which follows the Exploring Science scheme of work, which closely matches the National Curriculum.

Key Stage 4 students study either separate GCSE Biology, Chemistry and Physics by OCR Gateway or GCSE Combined Science by OCR Gateway. All our schemes of work, lesson plans, work sheets and assessments are professionally produced by Oxford University Press.

In Key Stage 5 we offer A level Biology OCR A, A level Chemistry OCR A and A level Physics OCR A.

# Ethos

We strive to actively promote an interest and enthusiasm for science by providing an imaginative and stimulating subject curriculum skilfully designed to match the full range of pupils’ needs and to ensure highly effective progression in their learning.

At the heart of our approach is a focus on providing a range of learning opportunities that involve pupils in practical work, fieldwork, research, use of ICT, individual work, group work and discussion. We also seek to make the teaching of science relevant to students’ lives and reflective of current exciting science developments from the worlds of industry and other science-based endeavours.

We are committed to ensuring students achieve the highest grades of which they are capable in public examinations so as to increase their life chances. The number of students choosing to study science subjects at Prince William for Key Stage 5 is increasing rapidly, as is the number of our students continuing with science at both at University and in their future careers.

# Staffing

Chris Campbell Head of Department (Assistant Headteacher)

Helen Melrose Second in Department

Kirsty Stapleton Third in Department

Josh Furbank Lead for STEM and Second in Sixth Form

Pamela Kelly

Sarah Montgomery

Warren Stevens

Vacancy

Kyle Granaghan part time

Danielle Holmes part time

Emma Leach part time

Kim Millard part time

Selina Wisby part time

**Results 2023**

**A level**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | % A\* - A | | % A\* - C | | % A\* - E | | ALPS  score |
| PWS | National | PWS | National | PWS | National |
| Biology | 33 | 27.1 | 83 | 68.6 | 100 | 95.7 | 2 |
| Chemistry | 69 | 32.2 | 92 | 71.6 | 100 | 95.9 | 1 |
| Physics | 33 | 31.7 | 58 | 69.3 | 100 | 95.3 | 3 |
| App Sci | 0 | - | 100 | - | 100 | - | - |

**GCSE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Number of entries** | **% 7+** | | **% 4+** | | **Result - target** |
| **PWS** | **National** | **PWS** | **National** |
| Comb Sci | 132 | 2 | 8.6 | 64 | 56.6 | +0.08 |
| Biology | 59 | 46 | 42.0 | 100 | 89.4 | +0.23 |
| Chemistry | 60 | 42 | 43.6 | 100 | 89.7 | +0.21 |
| Physics | 60 | 42 | 43.0 | 100 | 90.0 | +0.17 |