



**RAINHILL  
HIGH SCHOOL**



**RainhillSixth**

## Science Faculty

### Faculty Vision

*'A place where students love science, staff love teaching, and academic progress is outstanding'.*

### Faculty Core Values

- Engagement
- Challenge
- Resilience

### Faculty Aims

- To provide challenging, engaging lessons, where pupils are trained to be curious and resilient.
- To share well-planned resources, a supportive culture, and hold pupils/each other to the highest standards.
- For all pupils to make positive progress; increasing KS5 retention and future scientists.

### Facilities

The faculty is housed across 2 buildings with all full-time teachers having their own laboratory. There are two classrooms, 3 laboratories and an IT suite in the sixth form building and 7 laboratories in B block. All teaching rooms have full interactive white boards.

### 2019 GCSE Results

2019 Science Measure	
Achieving 2 x Sci Standard Pass	61%
Achieving 2 x Sci Strong Pass	43%

Trilogy Science	
Trilogy 7+	7%
Trilogy 4+	56%

Separate Science	
Biology 7+	35%
Biology 5+	92%
Chemistry 7+	55%
Chemistry 5+	95%
Physics 7+	35%
Physics 5+	95%

### 2019 A Level Results

2018 A2 Results	
Biology A*-B	13%
Biology A*-E	88%
Chemistry A*-B	75%
Chemistry A*-E	100%
Physics A*-B	25%
Physics A*-E	100%

## Staffing

Katie Robinson	<b>Head of Faculty</b>
Lyndsey Gordon	Head of Biology
Mike Beswick	Head of Chemistry, Data and Timetabling
Paul Hurst	Head of Physics
Nicky Hesketh	Head of KS3 Science
Rupert Shoebridge	Key Stage 3 Progress Leader
Neil Fairhurst	(Part time)
Devon Hazelden	
Chris Pownell	
<i>Vacancy</i>	
Rebecca Harper	
Felix Shin	
Jon White	Senior Technician
Lynette Scattergood	Technician (Part Time)

## Curriculum

### KS3

Students are taught set on ability based on KS2 Maths data and internal assessment data. They have 3 lessons of Science a week and have one teacher for all three sciences. We follow departmental schemes and share the planning of all resources, to ensure workload is managed and resources meet the highest standards. Pupils are assessed with a short, written assessment at the end of each topic, and 1 longer summative LP assessments at the end of the year. During Year 9, pupils receive specialist teaching from a Biology, Chemistry and Physics teacher, developing their knowledge and skills further in preparation for their GCSE studies.

### KS4

All GCSE Science is taught to the AQA specification, and formally begins in Year 10. Approximately 2 / 3 sets of pupils take Single Sciences (Biology, Chemistry and Physics), for which they gain 5 extra timetabled hours a fortnight. The remaining pupils follow the AQA Trilogy pathway; these pupils are set based on ability and have also one teacher for each of Biology, Chemistry and Physics.

### KS5 Science at Rainhill Sixth Form Centre - Science Academy.

In year 12 and 13 the three sciences are popular and successful options. In addition to the traditional A-levels, BTEC level 3 Applied Science is offered and its vocational, work based, focus has proved successful and engaging, allowing more students to carry their Science studies into the Sixth Form.

In the last two years alone, we have seen two of our Science students progress to Cambridge University to continue their Science studies, and a number of others embark on Science courses at Russell Group universities.

All sixth form students become part of the Rainhill Sixth Form Science Academy which allows students to enhance their university applications through adding to their Science experience through a range of

visits to industry, master classes, EPQ, extended research; and have work placements with key science-based employers. Recent activities have included a visit to CERN in Geneva, a Genetics workshop at Chester Zoo and a visiting Forensics workshop. This is a crucial element in helping to recruit and retain the best of Y11 at the school and beyond to enroll in Sixth Form Science subjects.

If you have any questions about the post or the Faculty do not hesitate to contact me.

**Miss Kate Robinson**  
**Head of Science**