



SCIENCE FACULTY

The Science faculty is a very high performing faculty and proud of its success within the school. Staff have high expectations of students and students enjoy their experience both at GCSE and A-Level.

The relationship the faculty has with the feeder high schools is very positive and a lot of work has been done to help with bridging, gifted and talented and the sharing of information. Since the demise of the KS3 Science SATS we have worked closely with the feeder schools to develop a common curriculum and method of assessment for Year 9 students. This has been implemented with other schools in the area.

The faculty has many outstanding features due mainly to the team ethos within the faculty.

Staffing

Mr A Linnik (Head of Faculty)

Biology

Mr B Clarke (2nd in Faculty)
Miss E Dannhauser (Head of Department)
Miss V Hamnett
Dr J Hirst
Dr E Lockley
Mrs R Brewster
Mrs C Robinson (part time)
Mrs M Trigg (Technician)

Chemistry

Mrs S Windridge (Head of Department)
Mr P Ellerington
Dr H French
Mr L Mason
Mr T Rees
Mrs D Tolley
Mrs R Gilliver (Technician)

Physics

Mr G Richards (Head of Department)
Mr P Newman (Lead Practitioner)
Mr F Shahrokhshahi
Mr P Willis
Dr S Wilson
Mrs V Dennis (Technician)

Mrs J West (Admin Support)

Facilities

We have 13 labs fully equipped with data projectors and interactive white boards. Two new teaching classrooms with data projectors and Interactive boards were built in 2011. All teachers have iPads and Apple TV is installed in all classrooms.

All labs have state of the art sound systems and are cable networked with internet access.

Our ICT facilities are excellent; we have an ICT classroom, two laptop trolleys, a notebook trolley with a total of 125 computers and four laser printers, fully networked and accessible to the Internet.

There are a number of software packages available for students to use.

The school subscribes to Kerboodle and SAM Learning – the Science faculty being the largest user with over 85,000 hits by students.

Our faculty capitation is excellent so funding for courses is generous.

Courses

A-Level Key Stage 5	No AS Students		No A2 students
Biology	AQA	140	80
Chemistry	AQA	100	50
Physics	AQA	90	50

GCSE Key Stage 4	Approx number of Students	
AQA	Core Year 10	550
AQA	Additional Science Year 11	300
AQA	Triple Year 11	120

Year 10 – 550 Year 11 – 500 Key Stage 4 approximate total 1000

KS5 Results - % A-E

KS5		2005 %	2006 %	2007 %	2008 %	2009 %	2010 %	2011 %	2012 %	2013 %	2014 %	2015 %	2016 %
Bio	AS	82	85	89	82	92	89	91	89	93	82	84	92
	A2	100	96	100	100	94	100	100	100	100	100	96	100
Chem	AS	96	91	88	81	86	99	86	97	92	74	78	79
	A2	95	94	100	97	100	100	100	100	98	100	100	98
Phys	AS	57	58	62	63	71	92	91	92	93	79	62	98
	A2	89	73	86	100	93	100	93	100	100	97	90	83

KS4 overall GCSE Science results A*-C

2005 %	2006 %	2007 %	2008 %	2009 %	2010 %	2011 %	2012 %	2013 %	2014 %	2015 %	2016 %
71.8	67.5	67.9	55	66	72	81	87	93	96	92	72