

SCIENCE FACULTY

The Science faculty is very well regarded in the school by staff, students and other stakeholders. This reputation is built on the back of results that year on year are amongst the strongest in the school. The faculty presently consists of four full time teachers and two part-time teachers supported by a full time laboratory technician. There are three Biology specialists, two Chemistry specialists and a Physics specialist, though we teach across the subject range at Key Stage 3 and Key Stage 4.

Last year results on our Biology, Chemistry and Physics GCSE courses were 100% A*-C with 75% of students on the Biology course gaining an A* or A grade. 57% of our Science students gained A* - C grades on the core and additional science courses, nearly 30% of which were A* or A grades. Our firm focus is on maintaining our strong performance on the new GCSE Science specification exams in summer 2018. Our ambition is to become the top performing Science faculty in North Lincolnshire.

Our facilities are second to none since the Science faculty is housed in brand new, state of the art laboratories, each teacher having their own laboratory. Two of the laboratories have fume cupboards and we are serviced by a large and well - appointed prep room. We also have our own faculty work room.

At KS3 and KS4 we follow bespoke schemes of work which are written in house by the faculty. You would be expected to contribute fully to the writing, resourcing and evaluating of these schemes of work. We see KS3 as the springboard to success at KS4, so place a firm emphasis on building skills and embedding knowledge that students will use in their GCSEs during KS3. In common with many schools we have moved to a five year curriculum with appropriate content from our KS4 courses dropped into our KS3 curriculum so that we free up time during years 10 and 11 to focus on strategies for exam success. Starting in September 2017 we moved from a three year KS3 to a two year KS3 so that we can maximise progress at KS4. We are constantly seeking to improve our curriculum. Rigorous evaluation of our schemes of work and the drive to improve our skills, subject knowledge and pedagogy so that we give the best opportunities for success for our students is the hallmark of our faculty.

KS3 students have three hours of Science per week. At KS4 students studying science have four hours of Science per week and triple award students have seven hours of Science per week. At KS4 we teach across the subject range to science students and specialists teach Biology, Chemistry and Physics. We have shared resource areas on the school network and our Monday night faculty meetings have a teaching and learning focus where staff are encouraged to share and discuss pedagogical approaches to teaching Science.

We place an emphasis on enquiry based learning with students expected to develop and test hypotheses through a mixture of practical and theory work. High quality practical work is vital to the learning process in Science lessons and serves to enthuse students about our subject. We have a full programme of educational visits and extra-curricular activities to support our curriculum and are always on the lookout for new and exciting opportunities to offer our students. At the heart of our success as a faculty is the hard work, dedication and enthusiasm of staff and their commitment to inspiring Baysgarth's students with a love for our fantastic subject.