



Science Faculty

The Faculty

The teaching staff within the Science faculty shares a desire to make Science education accessible and exciting to all students.

The faculty consists of 13 teachers, 3 technicians and 3 dedicated Teaching Assistants. The faculty is well equipped, there are 11 laboratories and 1 classroom within the faculty, each with LCD projectors and all have interactive white boards.

There is a fully equipped computer suite, with an additional trolley of 30 laptops for students' use.

All lessons contain an element of enquiry and are based on the theory that learning is easier when you have experienced an idea rather than just reading or writing about it. Students are asked to challenge their own viewpoints on a number of controversial and current issues including genetic modification, the use of nuclear fission as an energy source and the impact of chemical process on ecosystems.

The Curriculum

Key Stage 3

A broad and balanced two year Key Stage 3 curriculum is offered which includes aspects of Biology, Chemistry and Physics.

Key Stage 4.

Currently Years 9-11 follow either GCSE AQA Separate Sciences or AQA Trilogy Combined Sciences. The faculty is well equipped to prepare students for the required practical element of the courses.

At Key Stage 5

Students follow the AQA GCE courses in Biology, Chemistry and Physics.

We also offer BTEC Level 3 in Applied Science both 1 A level and 2 A level equivalents to students that are best suited to these courses. This course has an excellent uptake and all students undertaking sciences at Post 16 have continued their science education by reading for degrees at reputable universities.

STEM Club / External Visits

The Science Faculty hosts a range of STEM activities and these enrich, enhance and extend the Key Stage 3 and 4 curriculum. They also help students develop their skills in the STEM subjects and to make them aware of careers they can pursue in these subjects. Students will also see the relevance of what they are learning in their classes and it aids students with the transfer of skills across subject areas. In addition to this there is on offer a very popular and successful chess club which is open to and attended by students from all year groups.

We have successfully run a number of trips for example the Big Bang fair and CERN in Geneva. The faculty regularly invites external speakers into the Academy to develop further students understanding of science in the workplace.

Further information or informal visits can be arranged by contacting Jayne Jackson – Principal's PA on 01922 721071 ext 204 or email j.jackson@josephleackieacademy.co.uk