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## Science Faculty

The Science Faculty is at an exciting point in its continuing development. It enjoys excellent take up at KS5 and examination results in KS4 continue to improve. At present the Science Faculty consists of 17 members of staff, we also have an excellent team of laboratory technicians. There are 12 newly built laboratories with a high specification finish and two preparation rooms. All of the laboratories have wireless networks and there are two class sets of laptops plus a class set of iPads. There is a Head of Faculty supported by post holders in charge of subject specialisms, a Second in Faculty and a Key Stage Three co-ordinator.

In Year 7 children are taught in mixed ability teaching groups and are streamed in Year 8. The Key Stage 3 curriculum is now delivered in two years has developed life without levels curriculum and terminology and we are introducing new learning strategies based on cognitive theory.

We have developed a flexible Key Stage 4 curriculum. From Year 9 onwards students are blocked and set by ability. Students will then follow a more personalised pathway of either Combined Science (Trilogy) or Separate Sciences, with a decision on the pathway being made after one term of Year 10.

The Science Faculty offers A level courses in Chemistry, Physics and Biology, with substantial uptake.

A positive teaching and learning policy is followed in the Faculty, which encourages children to take an active part in their own learning and, to this end, teaching strategies have been adopted, which allow children to have a broad range of learning experiences and a personalised approach to learning in order to maximise performance.

The school opened its doors as a SCITT (School Centre for Initial Teacher Training) from September 2012 where Science is one of its main subject areas. The schools role as a Teaching School also provides exciting opportunities for CPD for colleagues within the faculty.