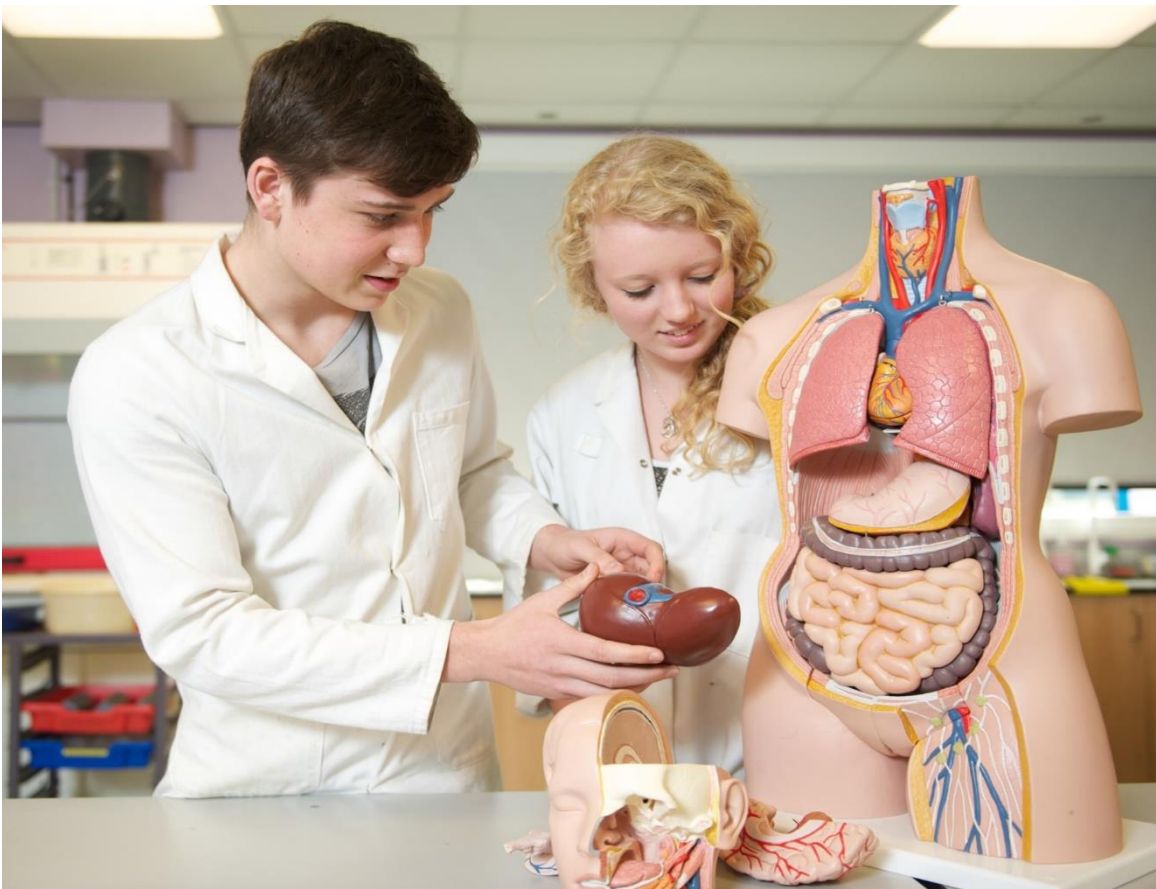




WILLIAM FARR

C of E Comprehensive School



SCIENCE DEPARTMENT

CANDIDATE INFORMATION

SCHOOL VISION

William Farr Church of England Comprehensive School aims to provide the highest quality of education whereby everyone is encouraged to strive for excellence in all that they do and each student is known, valued and achieves as an individual.

We will know that we have achieved our vision when:

Every student has the opportunity to develop their knowledge and understanding through a broad and balanced curriculum.

Every individual is confident and behaves in a way that reflects the Christian principles on which the school was founded.

Everyone knows that they are valued.

THE SCIENCE DEPARTMENT

The Science department at William Farr School is an expanding curriculum area. The department has a mandate to maintain its excellent results and provide a Science education for the 21st Century.

The Science department is managed by a Head of Science, supported by an Assistant Head of Science and Head of Physics, Chemistry and Biology. The Science department has 14 Science teachers, a Managing Science Technician and 5 Laboratory Technicians. There are 12 large laboratories and one smaller practical room. Seven of these are all in close proximity to each other on the ground floor of one building, and serviced by preparation areas and a Science staff office. The rest are in an adjacent building still on the ground floor.

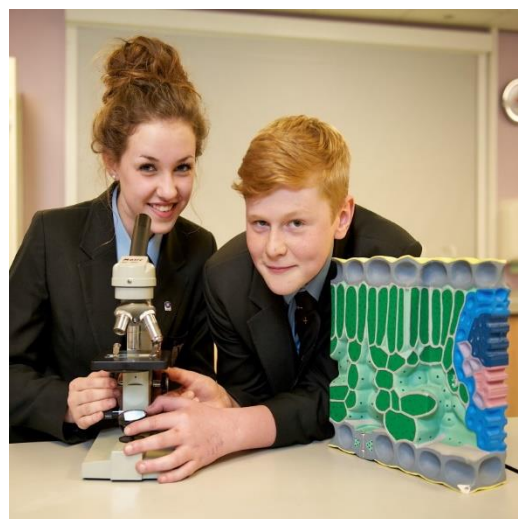
The school has in place a rigorous system of moderated departmental self-review. For several years now the department has been graded as Category 1.

The team is achieving and sustaining high standards in relation to its context. It is very well led and managed, with relevant aspects of National Initiatives securely in place. It has the capacity to plan, solve problems and further its own development.

Science pupils make outstanding progress (in the top 10% by prior attainment nationally). Planning, teaching, pupils' learning and assessment are all strengths of the subject.

Direct observations of classroom practice, together with self-evaluation activities, show that teaching and learning is consistently good or better.

The Science team has a successful profile in strategic direction and development planning. Leadership and management are outstanding in this department.



THE SCIENCE CURRICULUM

KS3 students study a curriculum based around developing young scientists that leads to preparation for GCSE study. Alongside the curriculum the department delivers CASE.

KS4 students follow the OCR Gateway combined specifications. A number of students also opt for Triple Science.

The department offers A-level students the options of Biology, Chemistry and Physics.

BEYOND THE CURRICULUM

The department offers a number of activities to engage students with science including:

- Science Club “Awesome Science” Y7 & Y8
- GCSE live trip for Triple Science students
- Institute of Biology – British Biology Olympiad
- Institute of Physics – British Physics Olympiad
- Institute of Chemistry – British Chemistry Olympiad
- Chemistry workshops run at lunchtimes for AS and A2
- Biannual Physics trip to CERN
- London trip to natural history museum for sixth form Biologists
- Field trip to Whisby for Y12/Y13 biologists



ACHIEVEMENT

Results in the department are consistently excellent:

GCSE results for 2017:

Core Science 78.8% A*-C, Additional Science 80% A*-C, Biology 95% A*-C , Chemistry 92% A*-C and Physics 98% A*-C.

A Level results for 2017:

Biology 97%, Chemistry and Physics 100% pass. Biology 28% A*-B, Chemistry 53% A*-B and Physics 50% A*-B.

PSME

In addition to teaching within the department, the successful candidate will be expected to contribute to the school's Care and Guidance programme, including the delivery of PSME (Personal, Social and Moral Education) as part of his or her form tutor responsibilities.

“William Farr Church of England Comprehensive School is one of the best schools in the country at outperforming expectations for their pupils and improving their future prospects.

There is plenty that other schools could learn from William Farr Church of England Comprehensive Schools’ success.”

Sue Williamson, Chief Executive of SSAT

William Farr Church of England School

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