

Coombe Boys' School Science Department

The department consists of an enthusiastic team of 7 teachers working in 6 well-resourced laboratories. The department is well equipped in terms of apparatus and textbooks and enjoys the capable help of 2 technicians. The Science team have been developing innovative teaching and learning strategies incorporating cutting edge technology teaching to help enhance teaching and learning. This includes sets of Chromebooks that can be booked out for lessons. The department and school believe strongly in working collaboratively, sharing ideas and supporting each other to achieve the very best for every member of the Coombe community.

At Key Stage 3 the curriculum is currently delivered via a modified version of the Activate Science course. In Years 7 and 8 Science is delivered by one teacher who is responsible for teaching Biology, Chemistry and Physics to that group. In Year 9 students embark on the AQA GCSE course and are taught by one teacher.

At Key Stage 4 most students follow the AQA GCSE Trilogy course and have 10 lessons of Science per timetable cycle. Approximately 60 students follow the Single Science route and have 12 lessons per timetable cycle. Subject specialists deliver the Separate Science Award course.

At Key Stage 5 students are taught the Extended BTEC Level 3 Applied Science course. The course covers many of the same aspects of Science as 'A' level courses and develops fundamental knowledge and understanding of biology (cell function and human physiology), chemistry (preparation and analysis of useful compounds) and physics (using energy transfers) but emphasizes the skills needed to work competently and safely in a modern laboratory. Results in the department for this course are amongst some of the best in the country.

Through our Trust and our close links with our feeder Primary Schools, STEM days and Science taster sessions are run annually to primary aged students. Alongside this, the department works with Kingston University to enrich and 'bring to life' some aspects of the curriculum at KS4. A range of extra-curricular activities are run that include: revision classes; a Science cafe for KS3; Science challenge events; Science trips.