



# Sir Roger Manwood's School

## Science Department

There is a strong and enthusiastic Science faculty at the school. It consists of 6 full-time teachers, 4 part-time teachers, and 3 full-time technicians.

The department prides itself on being mutually supportive, sharing in the responsibility for the progress of all of the pupils in its care.

Many of our students have a real passion for Science and an increasing number are choosing to either move into related industries direct from School or applying for science-related degrees.

### Courses

- At KS3, pupils follow a General Science course. They have 6 one hour lessons per fortnight.
- At GCSE, the OCR Gateway specifications for separate sciences and combined science are followed. The groups are set by ability. Every class has 4 one hour lessons for each science per fortnight.
- At A-Level, the OCR Specifications for each science are followed. Students in Year 12 and Year 13 have 9 one hour long periods a fortnight.

### Resources

- There are nine well equipped laboratories, with each one containing equipment for basic practical activities. Each lab has a computer on the teacher's desk that is linked to the school network. Every lab has an interactive white board as well as a non-electronic white board. The school network and the internet can both be accessed via wireless connection.
- There are several preparation rooms near the laboratories, containing specialist equipment to be used in specific practical activities.
- The school has three 32-seat computer rooms, all of which can be booked for science classes.
- The department possesses a wide range of data logging equipment which is used across all three science subjects.
- The department believes in the importance of practical work and so makes a deliberate effort to include as much of it as possible within lessons. It also believes in the importance of teaching students to become better at self-study and so research projects are written in to courses in many places.
- The department is amongst the foremost users of ICT in the school.