



## SOLIHULL

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### THE SCIENCE DEPARTMENT AT SOLIHULL

The Science Department at Solihull School consists of an enthusiastic and well-qualified team of experienced and highly successful teachers. The department consists of 14 laboratories, 5 prep rooms and 8 fantastic technicians, 2 for Biology, Chemistry and Physics plus two technicians who solely focus on Lower School and Combined Science. As such, each science department is extremely well resourced and supported. There is a weekly Lower School Science club, and each Science department offers a range of support and extension opportunities to ensure our pupils reach their full potential.

#### Resources

As well as the above, textbooks and revision guides are provided for all pupils (hard copies and/or online) and resources such as Kerboodle and Educake are also available to pupils. There is a dedicated Science Department photocopier, and each member of the Science department has their own workstation with a desk top computer. The school is also able provide staff with a two-in-one tablet.

#### Curriculum

**IIIrd and Shell Form** (Years 7 & 8) – General Science, which is a bespoke programme underpinned by Activate.

**IVth - UVth Form** (Years 9 - 11) – We offer separate Sciences to GCSE as well as Combined Science.

**Sixth Form** – Science is extremely popular at Solihull School. In September 2024 there will be 4 Biology, 6 Chemistry and 5 Physics Year 12 sets with generally 12 pupils in each set.

#### Support

Each Science department offers either one or two dedicated clinics per week.

#### Enrichment

**Biology:** At GCSE, Biology Challenge, MiSAC competition, RSB competitions as appropriate. At A' level, Intermediate Biology Olympiad (Year 12), Biology Olympiad (Year 13), Warwick Group Essay competition and various higher education competitions as appropriate.

**Chemistry:** At GCSE, Top of the Bench and the National Scientific Thinking Challenge. At A Level. The Cambridge Chemistry Challenge (Year 12) and the Chemistry Olympiad (Year 13).

**Physics:** At GCSE, Physics Challenge for both Year 10 and Year 11. At A Level we do the Physics AS Challenge and the Physics Olympiad. There is also an Engineering Enrichment option where pupils work on projects with local companies.

### **External Examinations**

External examination results are very strong:

#### **A level**

	%	A*	A	B	C	D	E
Biology	2023	29	51	80	83	94	94
Chemistry	2023	24	57	80	92	96	100
Physics	2023	21	46	67	83	96	100

#### **GCSE**

	%	9	8	7	6	5	4	3	2	1
Biology	2023	26	48	68	85	96	99	100	-	-
Chemistry	2023	34	63	81	93	95	98	98	99	100
Physics	2023	25	47	68	89	97	98	99	99	99
Combined Science	2023	13	23	39	55	88	98	100	-	-

### **The Post**

We are seeking to appoint an inspirational, creative, and confident teacher who can employ a wide range of teaching strategies. The successful candidate will have high expectations and contribute fully to the future development of the Science Department, supporting, challenging and motivating pupils. It is expected that the candidate will actively contribute to both the Science department and school's co-curricular programme and participate in the pastoral duties of whole-school life. The candidate should:

- Qualifications: Teaching Qualification at degree level/post-graduate level would be preferred.
- Be able to teach KS3 Science, Combined Science and ideally two Separate Sciences to GCSE.
- An applicant who has the ability to teach A Level Biology or Physics would be preferable.
- Demonstrate good IT skills and develop the use of the interactive whiteboard, Microsoft Teams & OneNote.
- Be willing to organise external visits and trips to suitable events.
- Be willing to support weekly clinics.