



## Science Department

*"Our curriculum is designed to develop confidence, skills and understanding of Science by constantly building on prior learning. The foundations laid at each stage inspire a love and curiosity for Science, giving our students breadth as well as depth in their school career."*

At Wood Green Academy, we are proud to have a highly motivated and dedicated team of science professionals who are committed to ensuring all students make excellent progress and enjoy a rich and rewarding school experience.

The Science Department comprises 14 members of teaching staff and three laboratory technicians. We are fortunate to have a stable and experienced team, with subject specialists across Biology, Chemistry, and Physics, and several colleagues who teach up to A Level. We are passionate about supporting and developing our staff to teach with confidence across Key Stages 3, 4 and 5.

### Department Resources

Our department benefits from 13 modern, well-equipped science classrooms, a shared departmental office, and five preparation rooms. Each classroom provides a stimulating environment to enhance teaching and learning and is equipped with:

An interactive board (connectable to a staff laptop, which is provided)

Convenient access to a printer located in an adjacent preparation room

An AfL (Assessment for Learning) resource bank, including a full class set of mini-whiteboards, erasers, and pens

We embrace the use of technology to engage students and enrich their learning experience. The department has access to a class set of iPads, laptop trolleys, and computer rooms. Additionally, all Sixth Form science students are issued with a laptop to support their studies.

We are also supported by the school's Learning Hub, which houses over 15,000 books, computers, iPads, and a team of dedicated Academic Coaches who work closely with the department to support our students.

The Science Department has built an extensive and continually evolving bank of lesson resources. This allows us to focus on high-quality teaching and learning,

adapting lessons to meet the needs of our students. The successful candidate will be committed to our ethos of continual improvement and will actively contribute to collaborative planning and moderation.

*"Pupils love coming into school, which is why they attend so regularly. Their behaviour in school and around lessons is exemplary. Relationships between staff and students are very strong."*

Ofsted Report 2020

## **Curriculum and Examinations**

At Wood Green Academy, students follow a two-year Key Stage 3 curriculum and a three-year Key Stage 4 programme. From Year 9 onwards, students study GCSE Science (OCR Gateway) and complete their examinations at the end of Year 11. The Science Department is well-established and successful; please visit our school website for our latest results.

At Key Stage 5, we offer OCR A Level Biology, OCR A Level Chemistry, and OCR A Level Physics. Science subjects are a popular choice among our Sixth Form students, with many opting to pursue a science qualification.

The Science Department is committed to delivering high-quality teaching, enriching students' experiences, and promoting a love of learning. We also aim to develop students' cultural capital through a range of activities and opportunities. Our extensive intervention programme includes in-class support and innovative revision strategies such as Revision Department Carousels, involving all members of the team.

Students are at the heart of everything we do; the successful candidate will share our commitment to guiding students towards their fullest potential.

## **Support and Professional Development**

Wood Green Academy is committed to providing all staff with extensive opportunities for professional development. All teaching staff have access to a wide range of CPD sessions aimed at enhancing both teaching practice and leadership skills. Dedicated CPD time is allocated every Wednesday afternoon for whole-school training, departmental collaboration, and individual development. These sessions are grounded in current educational research, including approaches to improving students' memory and retention.

Staff also have the opportunity to participate in various Working Groups, including High Potential, SEND, and Teaching and Learning, and may pursue nationally recognised professional qualifications such as the NPQ suite.

Within the Science Department, colleagues are encouraged to lead projects, contribute to the ongoing review and development of our curriculum and

schemes of learning, and engage in peer observation to continually refine their practice.

Early Career Teachers (ECTs) receive exemplary support. Our Academy has a strong track record of nurturing early career colleagues, with skilled and well-trained mentors, and we are highly regarded by external Early Career Programme providers and agencies.

We are a supportive, committed, and forward-thinking department, proud to play our part in the success of Wood Green Academy. We warmly welcome like-minded professionals who are motivated, dedicated, and passionate about inspiring the next generation of scientists.

I look forward to hearing from you.

**Mrs Harrison**

**Head of Science**