

Science at Bow School

We are a department of 11 full time science staff and two full time (term time) technicians. We are a young, vibrant and multicultural department committed to the achievement of all students. There is contact within the department every day. The department has an important emphasis on sharing good practice with individual staff regularly presenting at department meetings.

Who we are!

Director of Learning

Dr Abul Ali - CHEMISTRY

Second-in-Charge

Jonathan Maydom - CHEMISTRY

Lead Teacher in Biology

Iqbal Singh - BIOLOGY

Lead Teacher in Chemistry

Calvin Chu- CHEMISTRY

Lead Teacher in Physics

Teddy Passy- PHYSICS

STEM Co-ordinator

Jeni Uddin – CHEMISTRY

Lead teacher in Psychology

Eishita Kamali – BIOLOGY

Pauline Phillipe – BIOLOGY

Sarita Manda – BIOLOGY

Jacob Davies –BIOLOGY

Marjia Taznin – BIOLOGY

Tahmid Khan – BIOLOGY

Ade Bammeke – CHEMISTRY

Senior Lab Technician

Seema Devshi

Lab Technician

Adriana Manzo-Andrade

Apprentice Technician

Melonie Kyeremeh

In May 2014, the whole school moved to the new building situated next to Bow Lock, close to Bromley-by-Bow Station. This was an exciting transition time as the school settled into the new building and prepared to accept sixth formers to the school. The department is split over two floors with nine science labs and three ICT demonstration suites. As expected each room are modern teaching labs equipped with interactive white boards.

At KS3 pupils are taught in mixed ability groups from Y7 to Y8. Students are currently assessed through carefully designed Doodle tasks alongside end of topic assessments in line with the three school assessment periods that run throughout the year. The department follows the Exploring Science 2 year curriculum route up to Autumn term of Year 8. Subject content is delivered through topics, scenarios and stories that relate science to real life situations. These aim to provide students with the opportunity to develop problem solving skills and explain natural phenomena. Additionally, key processes in practical skills, critical understanding of evidence and communication are also covered. Time is dedicated to practising the skills needed to equip the students for the new linear GCSE exams from summer 2018.

At Key Stage 4, the students follow the new combined or the separate science route based on their attainment at KS3. The current cohort consists of three separate and six combined science classes. Pupils taking GCSE exams follow the new AQA Trilogy exam board, specification.

KS4 classes are grouped on ability and students have 5 lessons of science a week (double and single lessons). The Department has invested heavily in books; each teacher has access to a class set of the new AQA text books for KS3 and KS4. The department also has a number of interactive resources including, Kerboddle for KS4 and Boardworks for KS3 and KS4.

Bow Sixth Form opened its doors for new students in 2014. The department offers Biology, Chemistry and Physics at KS5. The department was praised in the recent Ofsted report in March 2018.