



## Science @ KWS

We have a strong, supportive and innovative team of scientists with a range of experience in secondary education and beyond. The department has state-of-the-art facilities and a fully stocked prep room where our 2.5 experienced technicians are a great asset. We support one another by regularly sharing ideas of good practice and constantly seeking to improve our delivery of the Science curriculum.

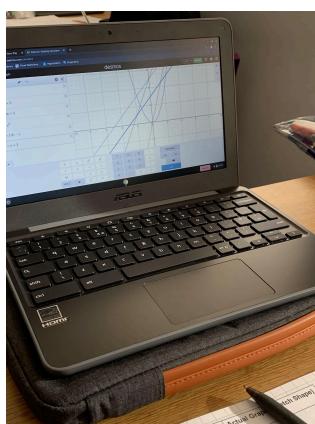
We work collaboratively to get the best results for all of our students, as we truly believe all children can achieve. This was demonstrated with our fantastic first results in 2025, where science was one of the leading subjects for student progress (+0.54).

However, all this is done with staff wellbeing in mind and managing workload. To aid with this, lessons are centrally planned, thus reducing individual workload and furthering collaborative conversations. We plan a range of differentiation options for delivery, so staff can then adapt and personalise their lessons for their classes. We also make use of effective online tools such as Sparx Science and Kerboodle, which reduce teacher marking load for homework.



KWS is an evidenced based school and we use this to inform our practice. All of our lessons start with retrieval practice called knowledge recall. The lessons are taught through structured scientific talk and questioning, giving students the chance to delve deeper into understanding new concepts and make links between different areas of science in their schema. Science and literacy are inexplicably linked, therefore we use a number of strategies to support students such as the Frayer Model and Collins Model. We also use a range of methods such as mini white boards, multiple choice and diagnostic questions to check for understanding and inform us how to differentiate the next steps for students. Furthermore, baseline test and end of topic tests are used to assess the student's starting point and directly track their progress. Most of these are done on Google Forms to, again, help reduce the marking workload.

Gone are the days where you needed to queue for printing! At KWS Chromebooks are a key part of learning. All students have a device that they can use in any lesson (they start up in less than 10 seconds), and rather than a physical planner they access tools online, including a range of student google sites, the Arbor student portal and ClassCharts. Google mail, classroom, docs and slides are an established part of our teaching and our students are very proficient in their use of them. In addition, they access many great online resources to support learning. We use Senso Cloud to monitor students' Chromebooks, ensuring their focus remains on learning.





Period 7 is a fantastic selling point for KWS. All staff get an opportunity to offer extra-curricular activities during this time, which they are passionate about. In science we offer a wide range of options for students from Zoology, Forensics, Science of Nutrition to Robotics club and Coding. Furthermore, with our 6th form we enter subject specific national Olympiads. Staff all welcome to also run lunchtime sessions and as a thank you can claim free lunch from the school canteen.

We are looking for a teacher who is engaging, enthusiastic and motivated, to be a part of our wonderful team to achieve great things.

### **Find out more**

Please feel free to contact Preet Kaur, our Head of Science, via e-mail [p.kaur@kwschool.co.uk](mailto:p.kaur@kwschool.co.uk) if you have any questions about the role or the team, or if you would just like to have an informal chat and/or tour. We look forward to receiving your application.