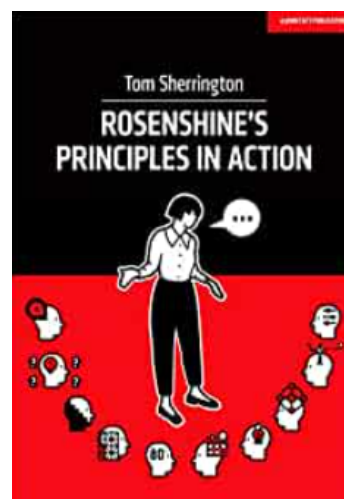




Maths @ KWS

We have a strong, approachable and innovative team of mathematicians with a range of experience in secondary education and responsibilities within the school. This includes multiple members of the department with experience mentoring PGCE and ECT teachers to become outstanding practitioners and leaders. We really support one another, regularly sharing ideas and good practice and constantly seeking to improve our delivery of the maths curriculum, via subject specific CPD.

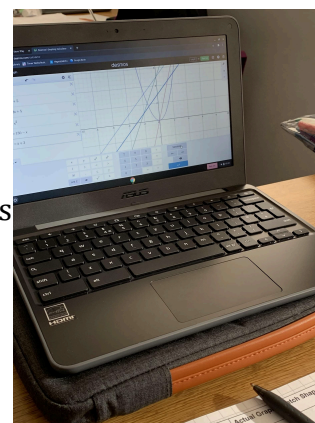
We work collaboratively to get the best results for all of our students; which includes using research to support our best practice. Rosenshine's principles are at the forefront of our pedagogy and teaching and learning discussions as a department and we use cognitive load theory to inform our prior knowledge checks and planning. In addition, we agree with the research that mixed attainment teaching produces better outcomes for all students, especially those who were prior mid to higher achieving. It also increases students' confidence in the subject due to the lack of a 'label' on their ability. In KS4, we have slightly changed this approach, and have started teaching the KS4 curriculum in the two tier options for students; foundation and higher.



We follow an adapted version of the White Rose Curriculum for all year groups for multiple reasons. It provides a mastery curriculum which lends itself to the GCSE (9-1) examinations and increases the opportunities for students to learn through mathematical talk and questioning. It also provides visual scaffolds & stretch and challenge resources which supports mixed attainment teaching.

We supplement our planning with resources from a myriad of sources including Variation Theory, Diagnostic Questions, Boss Maths, Corbett Maths, and JustMaths.

Lessons are centrally planned, thus reducing individual workload and furthering collaborative conversations. We plan a wide range of differentiation options for delivery, so staff can then adapt and personalise the lessons for the classes in front of them. We also love to make use of effective online tools such as MathsBot (manipulatives), Desmos, Geogebra, and Sparx Maths as the students can access these on their chromebooks in class.



All of our lessons start with knowledge recall, and are taught through structured mathematical talk and questioning, giving students the chance to delve deeper into understanding new concepts and make links between different areas of maths. 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, pre and post quizzes are used to assess the student's starting point and directly track their progress.



In addition to running enriching trips each year, we actively participate in UKMT and HfL Maths Challenges, and use our period 7 and lunchtime clubs to further promote and develop more complex mathematical problems. Finishing in 2nd place in both HfL Maths challenges last year (Y7 & Y8 amongst all schools in Hertfordshire), we are proud of the excellent Mathematicians at KWS.

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

Teaching @ KWS

At KWS we pride ourselves on teaching based on proven research and have a series of curriculum principles to guide this across all subjects. If you would like to know more please take a look at our prospectus.

Staff wellbeing is a high priority at KWS (see the wellbeing charter attached to this advert) and we have designed our Feedback policy with this in mind. Marking should be quick and focused on the actions taken after reviewing work - we would rather staff spend their time planning to support students to make more progress.

Chromebooks are a key part of learning at KWS. 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 Class Charts. 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 to monitor students' Chromebooks, ensuring their focus remains on learning.

Find out more

Please feel free to contact Samantha Caplin, our Head of Maths, via e-mail s.caplin@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.