



# KING'S MATHS SCHOOL

## SUMMER TERM 2024

### Hitting the mark

Congratulations to the Class of 2024 for a stellar set of A level results, including 76% A\* and 99.5% A\*-B grades. One student even achieved the top mark in Further Maths nationally! These results are a testament to the year group's tenacity and dedication. We are so proud of our students. The last term was a hive of activity. From the King's Konzerts to King's Kulture, Culture Day and Pause, students' horizons were broadened by many cultural pursuits. We marked our marvelous diversity with a day of celebrations thanks to the KCLMS Diversity Day. Kudos to our anti-racism advocates Ahana, Dot, Jun, Lydia, Ryan K, Ryan M and Will for their impactful work. Thanks to Pia for her thought-provoking Pride assembly. Trips to Kirkaldy's Testing Works and the National Physical Laboratory were a hit. Bravo to the students and staff who ran the half marathon at Dunstable Downs estate.

### Sports day

Bravo to students and staff for a fun-filled sports day. From tug-of-war to relays and a plank challenge, our school community showcased their myriad talents and displayed great sportsmanship.

### Outreach success

Our outreach is thriving! We launched a new online GCSE+ course for Computer Science. To celebrate the end of the term, participants did some exciting programming in school with Dr Chu. Over 200 students attended our free summer schools. The week was packed with activities including building and launching rockets, learning about measuring time and visiting the National Physical Laboratory. Thanks to Claire Lucas, Professor of Engineering Teaching and Learning at King's College London, for her fantastic talk. It was great to see our alumni help with summer schools. We couldn't do it without them! We proudly hosted an Axiom Maths celebration day for Years 7-9 students from Ark Schools and their teachers.

### Spectacular speakers

We were honoured to welcome NASA's Dr Mark Clampin (photo above) who spoke to us about his work. One could hear a pin drop in our packed hall as the accomplished Dr Clampin, who is NASA's Astrophysics Division Director, discussed his projects' goals including understanding how the universe works, how we got here and to address the perennial question, "are we alone". We had other arresting assemblies including from the founder of Desmos, a free web-based graphing calculator application, and one focusing on mental health awareness.

### Entrepreneurship Day

Students participated in an all-day hackathon delivered by King College London's Entrepreneurship Institute. Putting their entrepreneurial skills to the test, students proposed solutions to key societal issues. A unique opportunity to do some real-world problem solving, the day closed with each team presenting their proposals for the chance to win one of three prizes.



Left: Our ORBYTS participants and their mentors. Right: A group of jubilant Year 13s enjoying Prom night.

## Revision Retreat

Over the May half-term, 25 students explored the scenic Peak District whilst spending time revising key subjects in serenity. Thanks to magical walking trails and stunning scenery, students immersed themselves in nature whilst enhancing their study skills.

## Mental Health matters

Bravo to Laurie, Lydia, Mohammed, Moss, Prisha, Rosie and Theo for being appointed Mental Health Ambassadors (MHAs). This a new leadership opportunity for students to help advance our mental health programme. Our MHAs will directly influence how our school can continue to be a mentally healthier place learn, socialise and grow.

## ChessFest

Our chess aficionados had a blast at ChessFest in Trafalgar Square. Sponsored by XTX Markets, this is a free, outdoor event featuring giant chess sets, grandmaster guests, simultaneous displays and more.

## Feats of Physics

Hats off to our sixteen Year 12 students (photo above) for undertaking and presenting at UCL six months of rigorous research thanks to the phenomenal ORBYTS programme. ORBYTS is a scheme in which students work on research projects under the tuition of PhD students and post-docs professionals. Our students displayed inspiring levels of commitment to the project. Congrats to Year 12 Sam B who was selected to attend a prestigious British Physics Olympiad residential problem-solving masterclass at Cambridge University following his high Senior Physics Challenge Gold result.

## Man Group Insight Day

Year 12s visited Man Group for the day which comprised a host of activities including an office tour and meet-and-greets with staff from a different functions such as trading, quants and tech. Thank you to Man Group for a brilliantly organised day. Congrats to Lydia, Ryan M and Vincent who successfully applied for work experience at Man Group and spent a week there in July.

## King's Certificate

Well done to our Year 12s for their captivating King's Certificate presentations. Our students did their mentors and teachers proud, in both the depth of mathematical sciences they were able to convey and the maturity of their presentations. Thank you to Brandon Horwitz from the Worshipful Company of Actuaries for his wonderful welcome address

## WEEKLY MATHS CHALLENGE

Solve these equations

simultaneously to find

the values of  $x$ ,  $y$  and  $z$ .

$$(i) \quad x^2 - 6y + 14 = 0$$

$$(ii) \quad y^2 + 2z - 7 = 0$$

$$(iii) \quad z^2 + 4x + 7 = 0$$



Huge thanks to Ms Burdett for her work on the weekly maths problem over the years. We bid her farewell as she moves on to pastures new. Mr Bennett will be taking it on.