



# KING'S MATHS SCHOOL

## SPRING TERM 2022

### A busy, exciting term

We've had a fantastic term packed with a wealth of opportunities and activities. Highlights include students attending the Women in Maths Conference at Oxford University and a range of insightful speakers discussing key issues in assemblies. Honouring International Women's Day, two Professors from King's College London, the Baroness Alison Wolf CBE and Barbara Shollock, who are both governors of KCLMS, talked about gender and labour markets and inclusive engineering. Well done to Akira, Atticus, Jess and Sam who spoke eloquently about neurodiversity. Students marked National Mario Day and the iconic video game with a real-life Mario Kart charity race, i.e. a human wheelbarrow (photo next page)! All proceeds went to GamesAid. It was great to see students nurturing their kitchen skills whilst preparing healthy meals in PD cooking lessons. Yummy!

### Maths schools

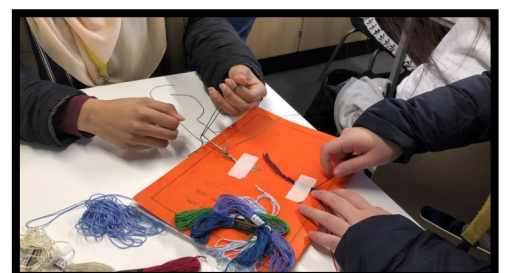
It gives us great joy to witness our family of specialist maths schools flourishing. We enjoyed welcoming the incoming heads of Cambridge Maths School and Imperial College London Mathematics School which are opening in 2023. Thank you to the students who met with them and spoke about their experiences at KCLMS and shared their insights. Clare and David were very complimentary about our students and our school. The Head Teacher of Exeter Maths School also visited us. It's always great to catch up and swap ideas. Our students and staff also headed to Exeter and Liverpool to visit their maths schools (Liverpool—picture above). It was fantastic to see their work in action.

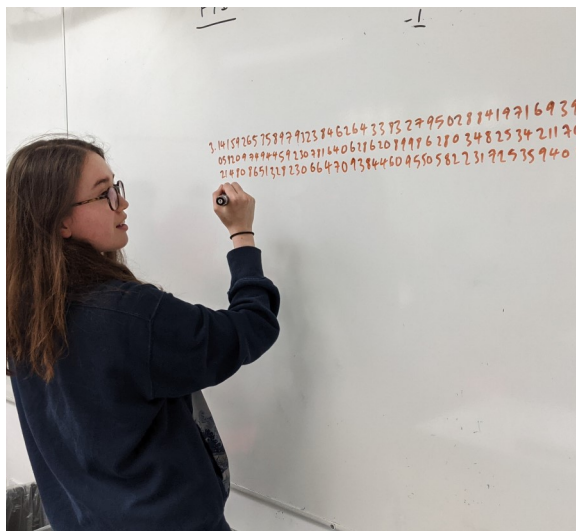
### Time to Pause

Pause afternoons are all about creative, relaxing and cultural pursuits. It's been wonderful: museum and gallery visits, cooking and cycling. Students also made friendship bracelets (right) and played the ancient board game of 'Go'.

### Outreach success

Our outreach is thriving with lots on offer thanks to the generous support of XTX Markets and King's College London. We are proud to run Maths Circles, an enrichment programme for high-attaining Y7 students in partnership with MESME (Mathematics Education for Social Mobility and Excellence). MESME supports students from all backgrounds to achieve mathematical excellence, so that they go on to have a greater range of personal, employment and economic choices. Our Maths Masterclass series for Year 5s in partnership with 21 schools in Lambeth and the Royal Institution has been a big hit with 124 young mathematicians taking part. As one school tweeted, "The love of learning was present for all to see."





Left: Rebecca displays strong memorization skills on Pi Day.



Right: The Mario Day wheelbarrow race.

## Mental health focus

We are deeply committed to ensuring that emotional well-being and mental health are central to our school community. We are pleased that all students have now had their small group intro sessions with Amy, the Wellbeing Consultant. The focus of these sessions is to discuss positive mental health strategies and ways to access further support. We hope parents and carers found their first well-being and mental health event valuable and helpful. Always remember that asking for help is not only brave, but also vital for maintaining good mental health.

## Teaching internships

KLCMS is offering a new Paid Teaching Internship Programme. Ideal for undergraduates considering a career in teaching Maths, Physics or Computing, the summer scheme will provide hands-on experience for aspiring teachers. Interns will learn from teachers in our classes and will be supported by trainers from King's College London.

## Competition time

Congrats to our students who performed brilliantly in various competitions. Thirty took part in the British Mathematical Olympiad Round 1 (BMO1) earning 11 merits and 8 distinctions. In BMO2 Ethan earned Participation; Christopher - Qualification; Mahmud - Merit; Thomas, Sarp and Owen - Distinction. Nationally Owen reached Joint 7th place; Sarp 10th; Thomas joint 15th. In our Maths Bombe in-school competition the winning team, Owlgebra, consisted of Constantin, Andrew, Ben and Isabella. In Physics: Nico, Vik, Katie, Christopher, Charlotte & Lizzie R gained Gold in the Senior Physics Challenge. Sarp, Owen, John and Quinn earned Gold in Physics Round 2, while Sarp and Quinn took Gold in the Astronomy & Astrophysics BAAO. Sarp and Owen were invited to the Oxford training camp for the British Team. We are proud of you all.

## Bingo night

What a fab virtual bingo evening we had! Bravo to Nikhil, Jamie and Ebrahim who hosted with great humour and charm. Thanks to everyone who joined.

## King's Kulture

The King's Kulture programme is in full swing! Thanks to the Friends of KCLMS, students have enjoyed further sensational cultural experiences. Highlights have included seeing *A Small Island* at the National Theatre, *Chineke*, which is an orchestra composed of Black and ethnically diverse players, at the Southbank Centre and *Citizen Kane* at the BFI. We've tasked students with writing a review after each event to help further develop their critical thinking skills. We've been so impressed with their incisive critiques.

## WEEKLY MATHS CHALLENGE

The sum of the squares of four consecutive integers is two less than a square number.

What is the mean of the four integers?