



# KING'S MATHS SCHOOL

## SUMMER TERM 2018

### Starring the A\*s

This summer King's Maths School's graduating class attained a higher proportion of A\*s than any other school — state or independent — in the country.

The fact that female students outperformed their male counterparts was one of the striking stories underneath the headline statistics. Congratulations to Ife who is off to MIT, Siana who will read Computer Science, and Katherine with Mathematics at Cambridge; we would also like to congratulate Ellis who takes up Physics, and Taiwo who will read Engineering at Oxford. Between them these five girls have an incredible 15 A\*s and four STEP grades at 1 or above (with Katherine taking the best STEP II mark in the country!).

These striking achievements are representative of a strong, diverse and determined cohort: class of 2018, you have inspired us all, and we take our hats off to you.

### End-of-year prizes

At the end of the summer term, two special prizes were awarded in every subject to mark the end of Year 12. The two prizes have different emphases:

**Epistemic Award**—derived from the Greek word for knowledge, the winners must have shown excellent subject knowledge through truly outstanding levels of attainment. Winners of this award were Natasha Goodman, Shrimat Kapoor, Sae Koyama, Dmitry Filippov, Nile Kirke, Brendon Ferra, Sam Waugh, Sara Conejo Cervantes and Eito Miyamura.

**Philomathean Award**—a Philomath is a lover of learning. The winner of this award must have consistently demonstrated their enthusiasm for learning both in and out of lessons, and have made exceptional progress throughout the year. Winners of this award were: Evan Quiney, Tabs Goldman, Nahome Tewolde, Bence Parti, Irina Dacheva, Danny Ash, Reemon Spector and Yasif Rahman. Well done!

### Presentation Day

The first year of the King's Certificate programme has come to a close, with a full and exciting day of presentations at KCL's Bush House. It was a wonderful opportunity for the students to showcase their hard work and interesting findings over the course of the year to a diverse audience of staff, governors, mentors, KCL faculty and staff, as well as a wide range of friends, family, and supporters. We are very proud of the outstanding research conducted by the students. Over the course of the year, they have developed as young scholars, and have

### GRADES AT A GLANCE

59% A\*

88% A\*/A

97% A\* - B

VALUE ADDED AT OVER ONE  
WHOLE GRADE PER ENTRY!



Above: Eito, Sam, Sara, and Brendon before sharing their King's Certificate project.



Above: Class of 2018 Leavers' Prom – celebrating in style

experienced the nature of long-term research and academic writing. We are especially grateful to the outstanding mentors who set such thought-provoking projects and offered their incredible support to our students: our industry partners Arbor, Capita, Dyson, and WSP, and our academic partners King's College London, Imperial College, and Westminster School. Thank you for your amazing support!

## SIMC

Year 12 students Tabs Goldman, Orson Ye, and Sae Koyama had the opportunity to participate in the Singapore International Mathematics Challenge during the year. They have offered us a quick round-up of their experience:

"The SIMC is KCLMS's first international competition, hosted by NUS High School in Singapore. Our challenge (after surviving the 13 hour flight) was to produce a written report and presentation about three different mathematical models with the theme 'City Life.' After the fun, we were

taken around Singapore by the wonderful students from NUSH who had also spent the week with us. Tackling a completely different type of problem along with 50 other schools from around the world has strengthened our tenacity, fuelled our curiosity and given us invaluable international ties. We all loved the maths (and of course, exploring Singapore). 10/10 Would maths again."

A ringing endorsement, indeed! Our congratulations to Tabs, Orson, and Sae.

## 7+ and Physics+

This year saw the consolidation of the 7+ and Physics+ programmes. Between them King's Maths School staff worked with 250 year 11 students, helping high attainers from challenging backgrounds shift 7s into 8s and 9s in mathematics and supporting students from under-represented backgrounds to get excited by and be better prepared for the challenges of A Level Physics.

## Culture Day

To help mark the end of Year 12, we took advantage of our location in one of the most exciting cities in the world to go on a cultural trip around London. Year 12s started off with a walking tour of either street art in Hackney or the City of London, followed by a visit to the Planetarium, a picnic lunch, and a river cruise from Greenwich to Waterloo. A great way to kick off the summer holidays!

## WEEKLY CHALLENGE

Inside a right-angled isosceles triangle with vertices A, B, and C, I draw the largest possible circle, which touches the triangle at three points—P, Q, and R.

Can you calculate the exact ratio of the areas of triangles ABC and PQR?