



Y13 CERN Trip
More on Page 4

Inside this issue:

New Appointments	2
Outreach Activities	3
Extracurricular	4 & 5

Headteacher's Message

Dear Parents and Carers,

As always, September has seemed to pass by at very high speed. This month has seen us induct a wonderful new group of Year 12 students, a visit to CERN, Geneva for every student in Year 13, a successful settling-in evening for Year 12, several Outreach visits to schools (Birkenhead High School Academy, Deyes High School, Greenbank and Birkdale High Schools), and also a visit from St Thomas More Catholic High School in Crewe. We also held a very busy open evening this week, and hosted a visit from the Department for Education to help them to understand more about our school and its outreach programme.

This week's assembly focused on gratitude as a healthy habit. This month has given us in school a great deal to thank people for. We are grateful for the help that current and past students have given with our



Open Evening and helping us generally to get word out about the opportunities available to young people at this school. We are also grateful to generous donors like Dr Steve Garnett and XTX Markets who contribute significantly to school funds in order to support our educational outreach work, allow us to ensure every student can have an iPad, go on school visits and have other essential needs met. Perhaps more than all of those things, we are grateful to have the opportunity to be part of a very supportive school community and to have the opportunity to come to school and get stuck into interesting mathematical and scientific activities together every working day.

Important Dates

STEM Saturday 1	8th of Oct
Open Afternoon	20th of Oct

DofE Expeditions

Day Walk—Moel Famau	Spring TBC
Practice Expedition—Lake or Peak District	3rd—5th of April 2023
Qualifying Expedition—South Snowdonia	1st—5th of July 2023

Holiday Dates 2022-2023

Term	Term starts	Half Term break	Last day of Term
Autumn	5th of Sept	24th - 28th of Oct	21st of Dec
Spring	4th of Jan	13th - 17th of Feb	31st of March
Summer	17th of April	29th of May - 2nd of June	30th of June

Parent Trustee Appointment

Chair of Trustees, Professor Gavin Brown would like to inform you of the result of our recent election for parent governor.

Elected: Christopher Nicholson

We would like to thank those who put their name forward and took the time to complete candidate statements and for those of you who voted. We were delighted with the response. Details of the number of votes cast can be obtained on request from reception@liverpoolmathsschool.org.

If you would like to be considered in another capacity as one of our governors at a later date, please express an interest via the form on the governance page of the school website:

<https://liverpoolmathsschool.org/home/governance/>

Alternatively, do consider looking for vacancies in other schools in the area. For further support with this, register your interest with Governors for Schools: www.governorsforschools.org.uk

New Staff

Jamie

Jamie joined us in September 2022 as a new Physics Teacher here at ULMaS. Alongside his passion for Physics he also has a love of Chess which he has demonstrated by running the school lunchtime Chess Club. In the short time he's been here he has settled in brilliantly amongst staff and students and has been an asset to the Physics Department

His degree is in theoretical physics and he is most looking forward to enlightening the next generation of scientists, mathematicians and engineers, with the aim of teaching a future Nobel Laureate or Fields medallist!



Johnny

Johnny has recently joined us full time as a Maths Teacher after being with us since February 2021 in various roles. He is a recent graduate of the University of Liverpool having studied in BSc and MSc Mathematics. As well as undertaking his PGDE in Further Education at Liverpool Hope University where he first worked with ULMaS during his second teaching placement.

Given his connection to the city, his new home, Johnny is an avid proponent for STEM in the region and is keen to work with the young Mathematicians coming to School and those we speak to through our outreach programmes. He is looking forward to seeing our students grow both as mathematicians and people during their time at ULMaS and can't wait to see all their successes in the future.



Outreach Activities

Free Online Lessons

These lessons get excellent feedback and students are positive about the impact on their grades. Just started up we have a KS4 Maths, Physics and Computer Science weekly session. In January there is also a Year 10 further maths course you can sign up for now.

Sign up and more details here:

liverpoolmathsschool.org/outreach-reaching-your-potential



New Outreach Hubs



Head of Maths Colin has set up a new outreach scheme to support pupils with maths, helping them to achieve higher grades, then hopefully to succeed at A level maths in their schools/colleges.

The Southport Hub has students from five Southport secondary schools signed up, the first weekly session with Colin and Mike was last Monday at Meols Cop High School.



Colin and Johnny also went to Alsop High School to deliver the first session for the South Sefton Hub last week. Again students from other schools, Hillside High and Savio Salesian, joined those from Alsop to help prepare them for success at GCSE. More schools joining next week too!

We are very excited about what Colin has set up with this and the Southport Hub. We hope to expand to other areas of the region.

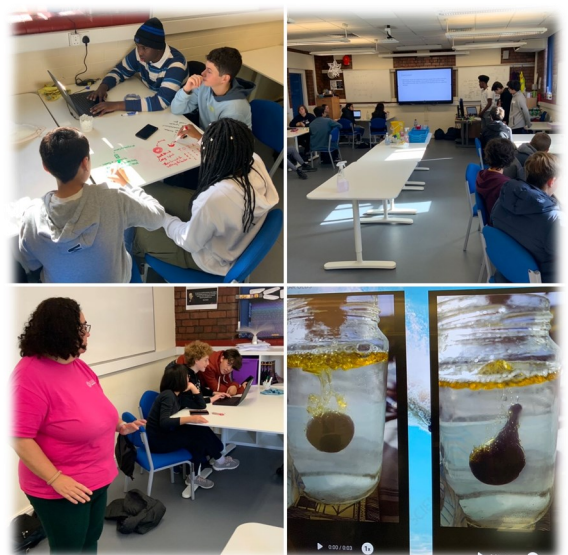
STEM Saturday

The first STEM Saturday of the year was titled 'Nature informing Engineering'. Students found out about fluid dynamics in pipes from Dr Rob Lindsay from the University of Manchester, completed research into turbulence, taking pictures and videos of this then presented their findings to the group.

The next Saturday event is the **Taster Day** on Saturday 5th November and sign ups are open now!

Sign up here:

liverpoolmathsschool.org/events



CERN Trip



We took all our Year 13 students to Geneva during September. The main focus was the science, physics, maths, engineering and computer science collaborative wonder that is the Large Hadron Collider at CERN. We also experienced so much culture and history.

The trip to CERN was an excellent opportunity for all of our Year 13s to learn about Particle Physics, but it is so much more! These experiences will help you grow as a person, fly to a different country, speak other languages, learn about the lives of real (living!!!) scientists. As a citizen of the World, you increase your knowledge about ongoing world issues and organisations, such as the United Nations or the Red Cross and Red Crescent, who are dealing with them.

We visited the LHC: The Compact Muon Solenoid, where we were really lucky to have Prof. Freya as a guide. She was one of the founders of the analyser and had lots of stories to tell us. The day they lowered the detector underground, the magnetic field was so strong they decided to move all the cars out of the CMS car park!



Open Evening

On the 28th of September we welcomed over 130 prospective parents and students into our school. The evening featured a talk from the Headteacher, interactive curriculum based activities and lots of our own students to answer questions about the school. We had brilliant feedback from families who thoroughly enjoyed talking to staff and students and finding out about what our school can offer. We have already seen a flurry of new applications and can't wait to receive more. If you or your student knows anyone who might be interested in joining our sixth form next year, please let them know that we are in the process of planning future open afternoons and taster days. You can follow our social media to be updated and find out more.



Sponsored walk

We ended the last academic year with our second annual sponsored walk. We again enjoyed the local area, Liverpool's architecture and ended up with two museum visits. This year we went to the Tate and the Museum of Liverpool. Despite some variable weather (luckily this was mostly an issue at lunchtime!) students were able to complete the route and experience some amazing exhibitions in these museums. All money raised goes to Alder Hey Children's Charity. Students have been encouraged to share this widely with family and friends but the donations indicate they perhaps did not, any more donations gratefully received!

Donate online [here](#).



Year 12 Induction



Year 12 have settled in well to the school. They completed a range of induction activities over the first few days and weeks. These included house maths challenges and a UKMT corridor maths task. Our new Year 12s enjoyed a campus tour, including some of the sculptures and sights of the university.

The induction was finished off with pizza in the park before lessons began. Year 12 have also all been provided with an iPad to accompany them in their studies. Hope you all have a brilliant start to your time here at ULMaS!



Friday Enrichment

This year we have expanded the activities on offer on a Friday afternoon. We find doing something to help relax and reset after a hard week's work is a great way to encourage wellbeing and work/life balance. We now offer two sports anyone in Y12 or Y13 can sign up for. They also have the option of using the University of Liverpool gym at Sport Liverpool. In school Samuel has set up a range of strategy games, including role playing games. These too have been very popular.





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Our Mission

We exist to enable children with a strong interest and high potential in the mathematical sciences to achieve global impact through careers in the mathematical sciences. By preparing them thoroughly and comprehensively for STEM degrees and significant roles both within local communities and the global community of science, technology, engineering and mathematics, our students will be equipped to become tomorrow's industrial and academic researchers, innovators who will address the world's greatest challenges, teachers who will inspire the next generation, wealth creators, entrepreneurs and problem solvers.