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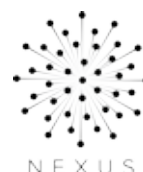
## Stellar success for CSIA Students

# COMMUNITY NEWSLETTER

September 2017 | Issue 62



CAMBORNE SCIENCE  
& INTERNATIONAL ACADEMY



# Stellar success for CSIA Students in 2017

## Huge smiles and tears of happiness could be seen around Camborne Science and International Academy in August as students received their GCSE results.

Principal, Ian Kenworthy, praised his students for their “fantastic” GCSE results, stating, “We are absolutely delighted with this year’s results and congratulate all our students and staff who have worked incredibly hard. We are particularly pleased with the results in Mathematics, English and Science, which were outstanding and reflect our specialist status as a centre of excellence in Science and Mathematics teaching.”

“The commitment shown by our students, together with expert teaching, guidance and support from our devoted staff and family members, have all played a part

in the successes we have seen today” said Ian. “This is one of my favourite days in the school calendar - it was brilliant last week with the A-level results and it is the same feeling again today!”

One student who was delighted with their results was Kayleigh W, who received 10 A\*/9/8/7 grades, and 1 B/6 grade and will now go on to study for A-levels in Chemistry, Physics, Biology and Spanish at The Sixth Form Academy at CSIA. She said, “I got my results now, so I’m feeling very positive about my future and starting Sixth Form.”

Aaron T, who received 11 GCSEs, including 10 A\*/9/8/7 grades, and 1 B/6 grade, exclaimed, “I’ve done better than I expected to!” Aaron will now stay on at The Sixth Form Academy at CSIA to study A-Levels in Music English, Biology and Mathematics.

Sophie M, received 9 GCSEs, including 8 A\*/9/8/7 grades, and 1 B/6 grade. She said, “I’d like to thank all my teachers at CSIA for ensuring I reached my full potential! I’m looking forward to the challenges ahead at Sixth Form.”

Caitlyn O, who achieved 10 GCSEs including 9 A\*/9/8/7 grades, and 1 B/6 grade, will also stay on to study for A-levels in Biology, Mathematics, Geography and Philosophy & Ethics at The Sixth Form Academy at CSIA.

“It is such a pleasure to see the joyful reactions of students who are so deserving of these results, not just those who achieve the highest grades, but all those who have exceeded their own expectations” said Emma Haase, Vice Principal at CSIA. “These exemplary GCSE results are testament to our students who truly understand the







importance of making the most of every opportunity, working hard and reaching for the stars."

CSIA looks forward to welcoming the vast majority of its students back to The Sixth Form Academy in September and with such excellent results, expectations are high.

"As they return to study for places at university and in employment, excellence is what our students will continue to strive for. We look forward to seeing them back at The Sixth Form Academy and challenge them all to surpass the excellent A Level results achieved by our students last week!"

"The achievements of every single student at our Academy matters hugely to us and we are very pleased that we have so many remarkable achievements to celebrate" said Mrs Haase. "We would like to thank the whole team and school community for their total support in helping them

achieve such great things."

Mr Kenworthy added, "GCSE results day represents the culmination of 11 years of hard work for young people. The outstanding grades we have seen here today show that our Academy continues to prepare students for the challenges of A-levels, university and beyond.

Our biggest congratulations go to all students, their teachers and families!"

Other notable successes include:

Chloe P who achieved 10 GCSEs including 7 A\*/9/8/7 grades, and 3 B/6 grades. She will now go on to study for A-levels in Chemistry, Mathematics, Biology and Geography at The Sixth Form Academy at CSIA.

Alicia J who achieved 11 GCSEs including 10 A\*/9/8/7 grades, and 1 B/6 grade. She will now go on to study for A-levels in Chemistry, French, Biology and Geography at

The Sixth Form Academy at CSIA.

Ross W who achieved 10 GCSEs including 8 A\*/9/8/7 grades, and 2 B/6 grades. He will now go on to study for A-levels in Mathematics, Further Mathematics, Computer Science, and Physics at The Sixth Form Academy at CSIA.

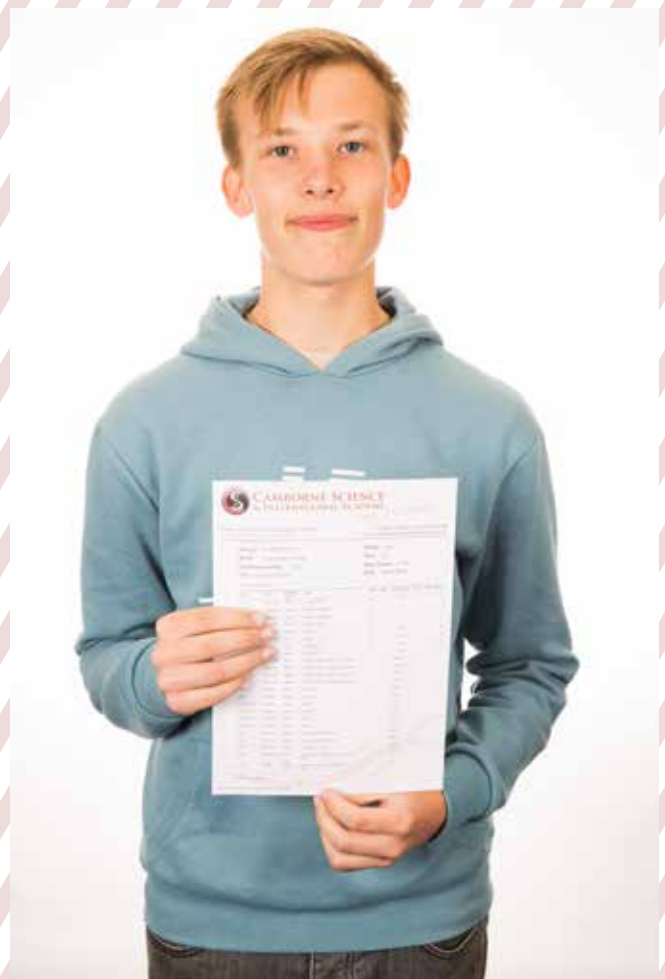
Chloe F who achieved 11 GCSEs including 10 A\*/9/8/7 grades, and 1 B/6 grade. She will now go on to study for A-levels in Mathematics, Further Mathematics, Chemistry, and Biology at The Sixth Form Academy at CSIA.

James H who achieved 10 GCSEs including 8 A\*/9/8/7 grades, and 2 B/6 grades, and will now go on to study for A-levels.

Phoebe H who achieved 10 GCSEs all at A\*/9/8/7 grades and will now go on to study for A-levels in Mathematics, Psychology, History and French at The Sixth Form Academy at CSIA.



Annabel H



James H



Hayden U



Aaron T



Kayleigh W



Sophie M & Chloe P



# Tears of jubilation as Camborne students receive their A-level results

## Years of study were rewarded when students at The VI Form Academy at CSIA received their A-level results after a summer of anticipation.

The school is once again celebrating with a 100% pass rate across twenty-three courses, with 75% of grades being A\*-B grades or equivalent and students studying mathematics achieving 93% A\*-B. Students studying A-levels in Science subjects achieved 65% A\*-B. In the vocational subjects, the average grade achieved was a Distinction\*.

Among those with the most to celebrate were students Peter N who is going to Exeter University to read Mathematics after gaining A\*, A\*, A\* in Mathematics, Further Mathematics and Physics and Ryan W who gained A\*, A\*, A in Mathematics, Physics and Further Mathematics and has secured a place at Bath University to read Aeronautical Engineering.

Peter commented, "There was a lot of homework but it has all paid off! I'm off to Exeter Uni to study Mathematics!" Ryan added, "My time here has been really enjoyable, definitely well worth the effort! Special thanks to the Maths and Science departments. I have a place at Bath University studying Aeronautical Engineering and wish to travel to New Zealand to train as a Pilot."

Gwyneth L received AAA grades in English, Psychology, and Drama and will be going to Queen Mary University to study Drama. She

said, "It feels amazing! The proof is in the results - amazing teachers."

Ian Kenworthy, Principal at CSIA, said he was delighted with the 2017 results which reflected the "inspirational teaching" which occurs at The VI Form Academy every day. "Students and staff deserve the highest praise and recognition for these results - I am incredibly proud of our students' ambitions and aspirations to achieve great things. These magnificent results are a testament to their unwavering commitment, applying themselves to become the best they can possibly be."

Vice Principal, Post-16, Sarah Belshaw, commented, "Our priority here at The VI Form Academy is to work together to ensure our students thrive and flourish, and these results demonstrate our success. Our goal is not just to prepare them for exams and university, but also for employment and the real world. We believe that they will leave our Academy as driven, resilient and well-rounded individuals who are set for great things!"

"These results are confirmation of our outstanding VI Form Academy, exceptional teaching and a learning environment which supports every student to achieve their potential. They are sure to make a fantastic contribution and we wish them all the best for the future."

CSIA is delighted with many outstanding individual A-level results including Joel B who is going to Cardiff University to read Media and Communication Studies after gaining AAA in Media, Photography,

and Art. He commented, "Very happy and really looking forward to University. I've had a wonderful time and couldn't have done it without the tutors here at The VI Form Academy!"

Another impressive set of results were achieved by Annie C who is going to Bath University to read Chemistry with industrial placement, and achieved AAB in Chemistry, Biology, and Mathematics. She commented "I'm really happy! The VI Form Academy have been very supportive, thank you for getting me through my A Levels. I'm now looking forward to studying at Bath University. ".

Anna R received AAB grades in English, Psychology, and Media and will be going to Cardiff University to study Media, Journalism, and Culture. She commented, "Well... I'm happy and excited for the future. Thank you for the support and the results!"

Abigail W who achieved an A in Economics and B's in Mathematics and Chemistry will be reading Chemistry with Industrial Experience at Cardiff University. She commented "I'm really very happy. I can now go to Cardiff University to study Chemistry. The staff here are fully supportive and thank you to Mrs. Belshaw for helping me through my exams. I'm so happy!"

Nearly a third of VI form students have gained places at the prestigious Russell Group Universities.

Other high achievers with excellent



Anni C, Nathan C, Gwyneth L, Yasmin Q, Canaan S, Abi W.

A-level grades include:

- Connor F with A\*BB in Mathematics, Further Mathematics, and Computing and will be studying Mathematics at Plymouth University. He commented, "I've really enjoyed my time here and am pleased with my results."
- Jack L gained ABB in Geography, Product Design, and PE and will be taking up a Creative Apprenticeship at Pendennis Ship Yard.
- Beth J gained ABB in Chemistry, Biology, and Spanish and will be reading Biological Sciences at Plymouth University. Beth commented, "I'm ecstatic and overwhelmed! My results mean I can go onto study Biological

Sciences and see where the future takes me!"

The VI Form Academy saw fantastic student success in the vocational subjects, including Jamie M with Distinction\* in IT, A in Design Technology and B in Mathematics will be reading Architecture at Cardiff University. Ellie H gained an A in Applied Science and two Distinction\* grades in Health & Social Care to secure her chosen path in Adult Nursing at Southampton University. Georgia D gained three Distinction\* grades and will read Adult Nursing at Cardiff University.

"We are incredibly ambitious for our young people and we ask them to set high expectations for

themselves. There's nothing better than seeing their commitment rewarded with outstanding results!" said Mrs. Belshaw.

Mr. Kenworthy added "As our students embark on the next stage of their journey, taking up university places, beginning apprenticeships and for our year 12 students, returning to continue their A-level studies into year 13, we commend them all for such a terrific set of results. It is all testament to the hard work of students and The VI Form Academy community."





Peter N



Gwyneth L

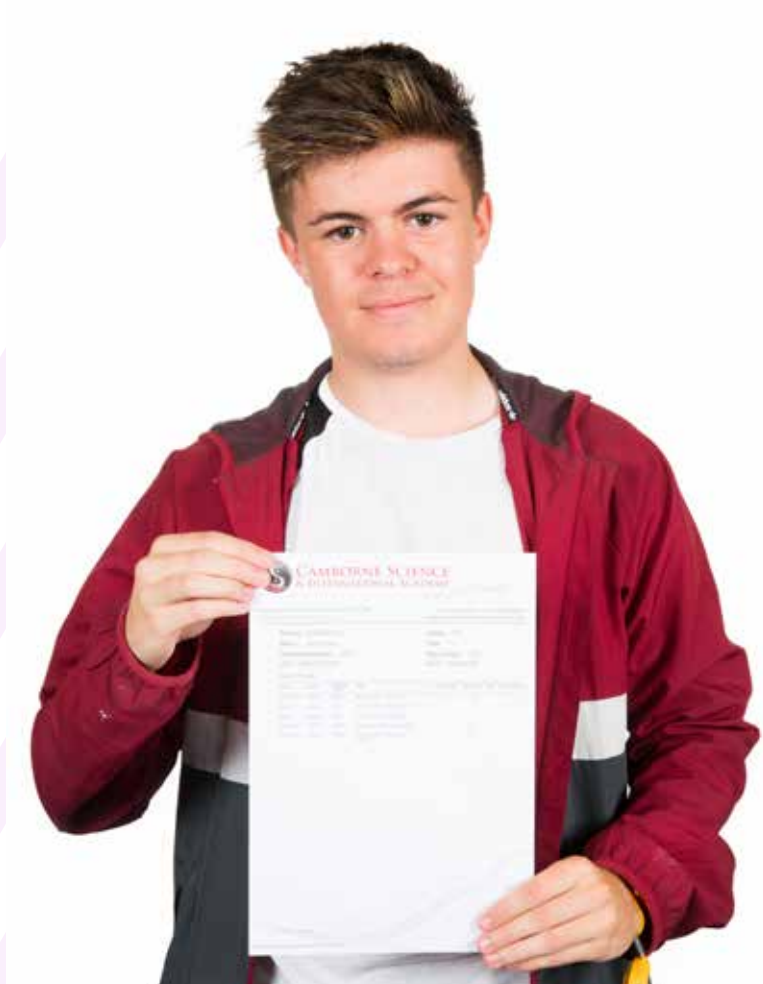


Jamie M



Ryan W





Joel B



Annie C



Beth J



Ellie H

# Camborne students prepare for the wider world

## Students at CSIA recently enjoyed a jam-packed day of unique activities as part of PSHE Day.

Held three times a year at CSIA, students across all year groups took part in activities aimed preparing them for living in the wider world, including a mock election, first aid, water safety, and nutrition.

Mrs. Gellatly, PHSE, Citizenship and Careers Coordinator said: "Year seven students looked at why people should become involved in politics before running their own mock election.

"They formed their own governments and held debates on the big issues that their parties focussed on. In our current climate, this was very topical and it was fantastic to see our year sevens so passionate about their views."

Students in year eight took part in an experiment which inflated lamb's lungs to look at how lung capacity can be impacted by smoking.

"I've never seen anything like it before. Seeing the damaged lungs really showed how bad it is to smoke," said student Kerris B.

Year nine students focussed on controversial issues including substance abuse, female genital mutilation, personal safety and health and wellbeing.

Mrs. Gellatly said: "Our year nines also had a highly informative session on water safety with the RNLI.

"This was supported by Lifeguard

Harry B who's currently in our sixth form and who recently represented England in the surf lifesaving championship."

Caitlin C in year nine added: "I really enjoyed the RNLI workshop because I tried on their lifesaving gear with a helmet, life jacket and equipment - it was so heavy. I also learnt how to stay safe in the water and on the coast."

Year ten students explored personal safety, water safety, e-safety, extremism, diversity, discrimination as well as workshops with Brook Advisory, and sixth form students worked on their university applications.

"A particularly important session was with our year eights who undertook first aid and CPR training

with Jay Fox of St John Ambulance who is one of our year 11 students and winner of Young Cadet of the Year. He's a real inspiration for the school community and engaged students from the very beginning."

Mrs. Gellatly added: "It's all about students learning about their personal, social and health education to bring the wider world to our school to give them real life, hands-on experience."

Ian Kenworthy, the principal at CSIA, added: "Our PSHE Day is incredibly important in supporting our young people to further their knowledge, skills and attributes needed to manage their lives, now and in the future. We thank everyone involved for making the event such a valuable experience for our students."



Sidar K burning food to analyse energy content





The RNLI's Roger Marsden, supported by V1th form student, Harry B, gave a talk on water safety, including an opportunity for Caitlin C to wear RNLI clothing



Ms Thomas demonstrating the tar content of a cigarette





Attentive students engaged in a PHSE day health workshop



CPR training with Y11 student Jay F of St John Ambulance



# CSIA VI Form Summer Ball

## The VI Form Summer Ball was the perfect way to end the fantastic 2016-2017 academic year.

Falmouth did not disappoint providing a Caribbean-like backdrop of palm trees, clear blue sea, and bright sunshine late into the evening. The VI Form celebrations on Friday 14 July at the Falmouth Hotel reflected the community values of the VI Form with over 150 current students, past students, and staff joining the fun.

After a very focused year it was a great way to say "good-bye and

good luck" to the leaving Year 13's as they now take the leap into the world of work, apprenticeships, or university.

Students arrived in their finest outfits and mingled in the afternoon sun in the fabulous gardens. A formal three course meal followed with soups or ham terrine, followed by beef or chicken, and rounded off with pannacotta, mousse or ginger-bread pudding. Student Leaders Beth, Georgia, Gwyneth, and Nathan wrapped up the formal part of the evening with speeches to those in attendance saying "thanks to the VI Form, I know we

will all do wonderful things in the future".

Afterwards the hotel reverberated to the sound of dancing, laughing and conversation whilst students enjoyed candy floss and a photo booth.

As the evening ended the family nature of the VI Form was brought to focus as Josh, who has successfully finished his first year at University said to Mr Ross, the Director of the VI Form: "thank you for all the help and encouragement the VI Form gave me so I could go to university – this lot are going to do brilliantly because of what you do"







# "Outstanding" expedition for CSIA team

**On 24th June, seven students from CSIA set out to complete their Silver Duke of Edinburgh assessment expedition on Bodmin Moor.**

After practice events at The Lizard and St Cleer earlier in the year, the team now planned to cover almost 50km of the most remote terrain in Cornwall over three days.

"The team chose a demanding route over the moors including its highest peaks. Bodmin Moor is notorious for its bleak weather and difficult navigation, so we did a lot of work before the expedition to prepare the team for this." – Mr Douglas.

As predicted, low cloud and strong winds appeared on day two meaning the students had to rely on bearings and contour features to navigate their way to the summit of Brown Willy (420m high), where Mr Douglas and Mr Kelly were waiting to welcome them.

"The low cloud made navigation a bit tricky, but we just concentrated on the things we had practiced at school and tried to ignore the bad weather. The final push up to the summit of Brown Willy was tough, but it felt great to get to the top. On our practice expedition we learnt the hard way that our bags were far too heavy, so we all cut the weight down for this trip and found it a lot more enjoyable" Leah P from 10BR.

At the end of the 3 days the team



Lead navigator Leah P checking the map before the final leg on day two.

At the summit! - Fin M, Natalie M, Kelsey M, Katie C, Leah P, Paige L, Ethan H



arrived at The Jamaica Inn slightly ahead of schedule to receive feedback from their expedition assessor, Brian Morgan.

"The team performed exceptionally well over the 3 day expedition, easily fulfilling all 20 conditions required. Navigating across Bodmin Moor in poor visibility can be very difficult, meaning I would

usually expect teams to make some errors along the way. This group from CSIA did not put a foot wrong over all 3 days, demonstrating outstanding navigational skills." After a fantastic end to the expedition section of their award the team will now finish their volunteering, skill and physical sections before advancing to the Gold award in year 12.

# More than 600 students get involved in Sport's Day

**On Wednesday 12th July, a record number of students at Camborne Science and International Academy enjoyed Sport's Day at Carn Brea Leisure Centre.**

"It was a huge success with sport participation at a record high" commented Fiona Rowles - Jane, Head of PE, Sport and Dance. "Our House Teams competed against each other in year groups and there was so much friendly rivalry and enthusiasm throughout the day!"

The annual Sport's Day is "designed to be exciting, challenging and rewarding, a day which our students look forward to all year." 621 students took part in various events including track, shot put, discus, javelin, long jump and high jump.

leaders assisted at each event and it was fantastic to see so many of them supporting the activities and ensuring the day went smoothly." Students not only competed on behalf of their tutor group but their achievements also counted towards the House competition, with House Masai winning overall champions on the day. "Three school records were also broken for year 7 boys in 100m, year 7 boys in 1500m and year 9 boys in the discus, adding to an already amazing day."

Luca B, a student in Year 7 commented "It was enjoyable and it was good to see so much team work and sportsmanship even though we were competing against each other!"

"The atmosphere was absolutely buzzing with spectators cheering loud!" said Fiona. "Our Sport's Day illustrates that sport is so diverse

and learning to be resilient if we don't succeed. Our students showed fantastic sportsmanship throughout the day and they were very supportive of their peers which was great to see".

The relay races at the end of the day showed a huge commitment from students as they were competing in both single sex and mixed relays for their tutors. Another highlight of the day was a staff relay race which saw students, staff and spectators cheering on the teachers.

At the end of each event, students were presented with their medals on a podium. At the end of the day, Ian Kenworthy, Principal at CSIA, presented the overall tutor group winners in Year 7, 8 and 9 as well as the overall house winners, as a fitting grand finale. "All of our students showed determination, team spirit and a real passion to achieve. All the students and parents thoroughly enjoyed the day of activities" added Fiona.

"It's fantastic to play sport and be active for health reasons, but there is so much more to it than that" added Mr Kenworthy. "Sport enhances mental and physical development and allows young people to learn some key skills for life - the importance of training hard and practicing regularly, the need for self confidence and determination as well as teaching leadership and respect. We congratulate everyone who took part in the day!"



"Each student within a tutor group selected an event and competed to the best of their ability on the day" said Fiona. "A large number of Year 10 and VI Form sport's

with many opportunities to get involved and be active. Sport teaches us incredibly important lessons such as the joy of triumph













## Students get cultural in the big city.

**Bright and early on a sunny Friday morning in June, 44 excitable Year 9's (and 5 excitable teachers!) travelled to London for a busy cultural weekend in our capital city to celebrate the subjects of English, Media and Drama.**

Our first stop was the Globe Theatre, a loyal reconstruction of Shakespeare's 16th Century open-air theatre. We spent the afternoon touring the world-famous playhouse, before completing a workshop on our chosen GCSE text, *Romeo and Juliet*.

The drama and creativity on display

checked-in at our hotel: a beautiful Georgian building in Hyde Park, opposite the British Museum and a stone's throw from the Royal Albert Hall and Harrods. The rooms had recently been refurbished and the outdoor terrace was a welcome relief after 6 hours on a coach!

On the Saturday, we got to explore London from both the water and the skies. We boarded a river cruise at the foot of Tower Bridge, where a wonderful Cockney guide gave a funny yet detailed history of everything we sailed past. We left the cruise at Westminster pier and walked straight on to the London Eye to see the sights from a different perspective. The views were stunning and the students had hundreds of great photo

and exploring around this historic market. We squeezed in a Pizza Hut buffet before going to watch a performance of *Matilda* at the Cambridge Theatre in the world-famous West End. Kiera P said 'it is the best thing I have ever seen', whilst Emma J simply described it as 'magical'.

The staff and students were all up early again on the Sunday, with many excited about one of the main attractions of the trip: the Harry Potter Studio Tour! Everybody loved learning all the secrets from behind-the-scenes and seeing how much work and talent goes into making a blockbuster movie. Naomi J described it as 'something I will never forget'.



was incredible, and the whole event was led by professional actors from the Royal Shakespeare Company. The afternoon was described by Grace T as 'an eye-opening experience into the world of Shakespeare'.

The coach then drove us to Planet Hollywood in Haymarket, before we

opportunities; Bethany L said that the tours allowed us to 'see how big London is and really sense the electric and vibrant atmosphere of the city'.

After a picnic lunch, we were taken to Covent Garden where students had a few hours to soak in London life with some shopping

As we boarded the coach back to Cornwall, the tired but inspired students reflected on their whirlwind tour of London, hoping to return again soon. The only complaint was from Asia K, who said 'it was really fun – I only wish we had spent more time here!'





Inside the theatre



# Camborne Students visit South Korea for Global Science Fair

**Three Year 10 students and two teachers from Camborne Science and International Academy travelled to Busan in South Korea recently to attend the International Student Science Fair.**

"We feel incredibly privileged to have accompanied our team to this prestigious, international event" commented Mrs Holly Frost, Science Teacher at CSIA.

"It was a week jam-packed with new experiences for both myself and our students. We have brought home 3 boys who say they have changed their outlook on life; feel more mature and achieved things they thought not possible and as a result are more confident!"

Cobh C, Callum F and Rhys J represented CSIA at the 13th ISSF, between 19th and 23rd June 2017, taking part in various educational, cultural and social experiences. "The trip involved our students taking part in a range of unique and enriching educational activities as well as sight-seeing visits enabling us all to soak up the rich South Korean culture" commented Mrs Frost.

On the first day of the ISSF, students were asked to present their science research poster to teachers and students from 37 schools from 21 different countries. Rhys commented "The poster presentation went incredibly well for all three of us. We were able to explain our project on the antibacterial properties of plant oils

thoroughly. We were definitely out of our comfort zone to start with but our confidence increased over the course of the afternoon and we really enjoyed being able to work together and explain our project in detail."

"Over the course of the six days, students enjoyed a number of exciting experiences. A workshop in which students built a defence mechanism for a drone; a challenge to create a sustainable city using LEGO and a visit to the

Korean Aerospace Institute, just a little of what they got up to!" commented Miss Zoe Mote, PE Teacher. "Perhaps one of the most exciting days was when we visited the Korean Advanced Institute of Science and Technology - a world renowned University - where they enjoyed a lecture from a Professor who was one of the team responsible for building the award-winning HUBO the robot!"

Students attended various lectures with world-leading experts in



Callum, Rhys and Cobh with their science research poster on the antibacterial properties of plant oils



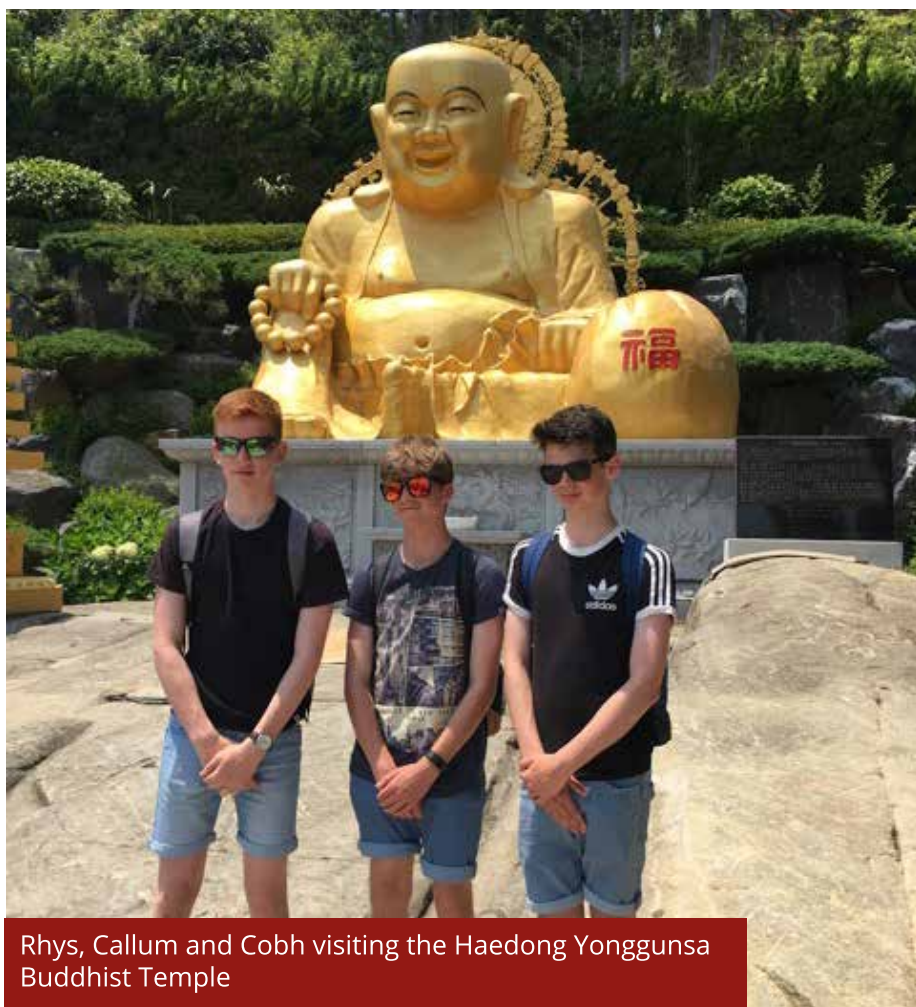
science and on the final day, certificates were awarded for achievement.

“Our students were superb ambassadors for our school and were recognised in the Most Ambitious Research category” commented Mrs Frost. “I was absolutely thrilled for the boys to receive a certificate and be recognised for their hard work. I felt very proud of them all as Callum went to the stage to collect the certificates on behalf of the group.”

The ceremony proceeded to introduce the hosts of the 2018 International Student Science Fair: Illinois Mathematics and Science Academy, Chicago and was concluded by our CSIA’s own Principal, Mr Ian Kenworthy. Other trip highlights included exploring Busan, visiting the Haedong Yonggungsa Buddhist



Cobh, Callum F and Rhys in traditional Korean costume as part of the cultural evening hosted by the Korea Science Academy



Rhys, Callum and Cobh visiting the Haedong Yonggungsa Buddhist Temple

Temple, Busan Science Museum, a Korean market and the United Nations Cemetery.

“The final day in South Korea included an emotional farewell between our students, their KSA buddies and other newly made international friends. The trip has had a tremendously positive impact on our students and that was very clear to see when we had to say our goodbyes” commented Mrs Frost.

“While the purpose of our extensive international programme is to educate our students, the benefits of visits like this extend much further” added Principal at CSIA, Mr Kenworthy. “From promoting a global perspective, expanding horizons, developing independence and inspiring students to thinking big, we’re very proud to offer these once in a lifetime experiences.”

## Reflection for summer journal

**As we continue to journey through the summer term, for some exams are coming to an end, others are looking forward to moving up a year group.**

During the break, I will probably visit some of my friends in London. One such friend takes delight in playing jokes on me. He will often phone me up and pretend to be someone else. He is also a big follower of fashion. Like me he is a Priest, but when we meet we are often in our ordinary clothes. I often wonder what people think we do for a living. I'm sure the last thing they would think is "Priest."

In a school as students you have to wear a uniform and abide by the rules of the school and when you leave school or university, you may go into a job that requires you to wear a uniform. Society requires us to live according to rules, yet this doesn't mean we can't be ourselves and be free to express ourselves.

Many of the world religions have people they believe are perfect. The Christians have Jesus, the one thing Jesus shows time and again is love for others.

People of faith believe that to have an idea of perfection they first must be happy with who they are. They measure themselves according to whoever they perceive to be perfect. For those who have no faith or don't believe in God they may look to someone who is important in their life.

I can remember graduating from university and seeing how proud my parents were when I went to collect my certificate. That meant a lot to me because they had shown me love, brought me up and helped me to achieve my degree.

As we journey through life we can get a glimpse of perfection, this happens when we can be happy with who we are. It's when we can look in the mirror and say, "I like what I see!" I am a Priest,

but when I meet with my friends I am Anthony, not Fr Anthony. As a Priest, there are times I must look a certain way and act a certain way. When I am with my friends and those who I trust, I can be me! To understand perfection is to understand who we are and be happy with who we are.

This may take time, but it is worth discovering. We are wonderful, beautiful people. Life may have its ups and downs, it will have its good times and bad times, at times life we shock us, it may surprise us. But never forget, if we believe in ourselves then we can achieve many great things. May we never underestimate ourselves.

Camborne Science and International Academy would like to extend its thanks to Sister Augustine for the work that she has undertaken with the English faculty in supporting students with their literacy and we wish her well for her future.

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## Dance: Mission Impossible

**In April primary school students from the local area came to Camborne Science and International Academy to take part in CSIA: Mission Impossible Dance.**

The workshop required the dancers (special agents) to learn a dance routine, work in teams and create their own escape route and exit. Every dancer was able to

show off their dance skills through incorporating tricks, lifts and some extremely creative choreography.

The Dance session resulted in a final performance of each groups work in the Dance Studio using Studio lights to create a real performance environment. The commitment, enthusiasm and energy that the dancers gave during the day were fantastic!





# Rock & Rolling

**In June, 34 Year 5 and 6 children joined CSIA staff in the sports hall for an action packed morning of rock climbing, wheelchair basketball, football and badminton.**

The students worked in rotations and had to practice many different skills. The football and wheelchair basketball really got the students

working together at a team. Whilst the rock-climbing saw the students conquer fears of heights and race to the top of the climbing wall in record times!

Along with providing the participants with a fun-packed morning of activity, it was also a fantastic opportunity for CSIA to showcase some of the outstanding sporting facilities on offer to pupils.

"The children had a great time participating in a variety of sports which for most would not usually be available to them. Sport is so important for developing physical, mental and social skills, making events like this an important asset to the local community. For the gifted few, and with the inclusion of rock climbing in the next Summer Olympics, it may even have started a young person on the road to success." – Mr Douglas



# Primary Pupils have a blast at Physics Workshop

**CSIA hosted thirty four Year 5 and 6 pupils at a unique Physics workshop at their Nexus campus recently. Held on 13th May, 10 different Primary Schools were involved in 'Super Saturday' which saw the group take part in a number of unusual experiments and activities.**

"The students were introduced to the Bernoulli Principle which is the basis behind the design of plane wings" commented Tamsyn Rogers, Super Saturday Coordinator at CSIA. "We applied the concept with air bazookas so as you can imagine, this went down very well with the group!"

Pupils were set the challenge of building their own vortex cannons, testing their power, range and accuracy. "They constructed their cannons which were essentially

drums that forced air through a small hole when struck, then studied how they worked and why. The whole class managed to shoot air nearly a meter in distance with their creations. They were all captivated!"

Pupils then tested the accuracy, strength and speed of their cannons. "We took them into the Physics labs and used theatrical fog so they could see the air blasts created by their vortex cannons" commented Tamsyn. "By filling the cannon with fog, we could see spiralling rings that were created by the cannons. The pupils looked up in awe as they watched their fog rings rise through the air!"

Students also used giant versions of the cannons prepared by the CSIA staff, which were used to knock over targets from 6 meters away and produce smoke rings that could be seen from 10 meters. "By the end of the session, the whole class had done wonderfully well. Every pupil managed to make and keep their own air cannon and we

were all 'blown over' by the skills shown in building, testing and analysing their creations. Everyone agreed that the morning had been a blast!"

Participating Primary Schools were: Penponds, St. Meriadoc Junior, Rosemellin, Connor Downs Academy, St. John's Catholic Academy, Troon CP School, Penpol, Kehelland, Trevithick Learning Academy, Roskear.

"We are very proud of our Super Saturday programme which allows young people to experience subjects in fun and exciting ways" added Principal at CSIA, Ian Kenworthy. "They develop invaluable personal and team skills, make new friends and take on challenges which are both very unique and educational."

The full programme of Super Saturday workshops can be found on [www.cambornescience.co.uk](http://www.cambornescience.co.uk) or email [supersaturday@cambornescience.co.uk](mailto:supersaturday@cambornescience.co.uk)







# World-Leading Veterinary College brings first ever Workshop to Cornwall

**Nexus; Camborne Science and International Academy's STEM Centre of Excellence, recently welcomed the UK's top veterinary school and the most accredited vet school in the world to deliver the first ever Masterclass held outside of London.**

"We're very proud to be a partner school of the Royal Veterinary College" commented Dr Jo Foster, Director of Nexus. "Between 11th and 13th July, senior lecturers from the RVC visited us for an exclusive educational programme and the first of its kind in Cornwall."

Schools across Cornwall were asked to nominate students in Years 10-12 who are aspiring vets for this once-in-a-lifetime opportunity. "On 11th July, thirty bright, inquisitive young adults arrived at Nexus for their first day," commented Dr Foster. "This was an incredibly special few days and every student involved was captivated from the very beginning."

Jon Parry, Deputy Director of Admissions at the Royal Veterinary College said, "It is important for a world renowned institution such as the RVC to work not only internationally but with talented young people from the UK, particularly from far-flung areas which might seem a long way from London!"

Students partook in a number of lectures, practical activities, research and workshops including lab work in zoology, dissection and animal hormones. "The Masterclass was aimed at students who are hoping to become Vets, Medics or enter a career in Biomedical Sciences. They enjoyed unique activities including tracking a real cheetah using a data tag, bandaging dogs and cats, simulating operations and interpreting x-rays!"

When asked to comment about the participants Mr Parry said: "The students we have seen, that we intend to work with over the next few years, have a range of backgrounds, but it is clear that they all have the ability and aspiration to work in scientific and medical fields."

Mr Parry commented further; "It is important that students are encouraged in their ambitions. Any-one can be a vet if they have the talent, skill and dedication! We hope that one day that these students at Camborne Science and International Academy will be students at the Royal Veterinary College."

"We are delighted to have hosted the RVC – we are committed to providing students in Cornwall with opportunities which would otherwise be unavailable to them. This is the start of a deep and lasting partnership between CSIA and the RVC which will focus on raising the aspirations of the all

the students in Cornwall, including the most disadvantaged" added Dr Foster.

Olivia Haase a participant in the programme and an aspiring vet said, "It has been a busy three days and we have done so much. The histopathology workshop by Dr Lawson was so much fun. I was horrified to see what cola does to blood!"

Tom Tredrea, a Year 10 student from CSIA said: "The best part was getting to talk to the RVC student ambassadors; they're real students who know what it is like to be at University studying to be a vet."

This RVC sponsored Masterclass will run annually at Nexus and is one of an array of opportunities available to youngsters in Cornwall at this centre for Science, Technology, Engineering and Mathematics.

"It was all about bringing the most prestigious veterinary college in the world to Cornwall - the only place in the country where you can do the RVC masterclass which isn't in London" commented Principal at CSIA, Ian Kenworthy. "Our aim is to improve STEM provision for the whole country - to inspire our students to study Science at University and reach for the stars!"

For more details about Nexus and to find out more about the opportunities available, visit [www.nexuscsia.co.uk](http://www.nexuscsia.co.uk).





# Musician of the Year 2017

**In June, Ellie G of Year 9 was crowned Musician of the Year 2017 with a breath-taking vocal performance of Adele's Set Fire to the Rain. The journey to the final of this prestigious annual House event began shortly after the Easter break.**

As tradition dictates, heats were held first for Year 7, then for Years 8, 9, and 10. The Student Music Council judging panel were treated to an eclectic array of talented individuals and groups from all years. In total, 24 acts competed in the heats, and Alex Green of Year 10, Head of the Student Music Council, described the panel's task to narrow the field down to 12 acts for the two semi-finals as "extremely difficult".

The Year 7 and 8 semi-final took place on Friday 17 June, and the Year 9 and 10 semi-final took place one week later. Steve Martin, Head of Music, described the semi-finals as "an outstanding exhibition of the talented musicians that we

have at Camborne Science and International Academy, that was incredibly well-supported by students".

The Student Music Council panel had an even more challenging task to put only six students into the final. Callum W, Deputy Head of the Student Music Council, said that "there were so many people that we could have put through, we could have held two finals!"

The six students who made it all the way to the final, where they competed for the title of Musician of the Year 2017, included both instrumentalists and singers. The first to perform were Slugg'em – Year 7's very own 'Spice Girls! They left the stage to cheers from the packed audience. Josh P of Year 8 then performed one of his own compositions on piano – this went down incredibly well with the panel and the audience. Sophie Stephens, the first of the 3 singers stepped up next, and she dazzled everyone with a fine performance.

Ellie – the eventual winner – was

the next competitor, leaving the stage to the loudest and longest applause in the competition's history. Corey W of Year 7 was the penultimate performer, entertaining the now-buzzing crowd with a film music medley on Baritone. Last, but certainly not least, came Levi Palmer of Year 8, who sang beautifully to make a real impression on the judges and audience.

The tension and excitement in the hall rose considerably as the judges made their final decisions. Finally, Chloe Ingham of Year 10, a Senior Member of the Student Music Council stepped up to declare the results to be: Levi in 3rd place; Josh as the runner-up; Ellie as the winner. When the applause faded, Shane Egglestone, Leader of Maori House, closed the competition by thanking all of the performers who took part, stating that "the Musician of the Year competition remains one of the most popular, and it never ceases to amaze me how talented our students truly are".



Josh P performing his own compositions to the school





Ellie G - Winner of Musician of the year 2017



Cory W performing a film medley on the Baritone

## Cornwall School Games – Mixed Rounders

**On Friday 30th June, The Cornwall School Games was held at Budehaven Community School.**

The Multi-sport event attracted both primary and secondary

schools from across the County. 18 students represented Camborne Science and International Academy in the year 7 and 8 Mixed Rounders Tournament. Both KS3 teams were fantastic representatives of the school and demonstrated great determination and resilience

despite the weather conditions. The year 7 team finished in 7th position, and the year 8 team reached the semi-finals and finished in third place, defeating Hayle, Mounts Bay, Fowey and Budehaven.



# Camborne Science and International Academy wins award at Big Bang South West.

**CSIA are delighted that students attending Nexus, their Gifted STEM programme, won two awards at the Big Bang South West competition this year. This was our first ever entry into the Big Bang competition and congratulations to both teams.**

Her lecture was a fascinating insight into a little known area of Science – but one which we depend on fully in our day-to-day lives. Did you know, for instance, that every single touch screen has a thin layer of a compound called indium tin oxide without which it couldn't function? Well it turns out that Indium is an incredibly rare and expensive metal and if you can find

a rich indium ore to mine you will almost instantly become a multi-millionaire. Don't get too excited though, Professor Wall explained that finding the right place to mine was incredibly expensive, based largely on trial-and-error and very likely to end in failure – according to her you probably have more chance of success by buying a winning lottery ticket!

Professor Wall's talk included some audience participation as she highlighted some of the very strange properties of the rare earth elements and showed many photos of the exotic places she has carried out field work.

Professor Wall has agreed to work with our Year 5 Girls STEM Summer Camp over the Summer holidays.

CEOP reporting, Google drive

and more, accessible to students; with other specific Apps aimed at teachers.

"We are Year 7's and we have first-hand experience of being new arrivals in a huge secondary school and needing some help finding our way around..."

"It's like a digital friend who is always there to help you ..."  
(Gabriel, Max and James)

This was the starting point for their idea and they discussed how similar ideas have been used in shopping centres to help people. Gabriel, Max and James then decided to take it a step further by gathering their ideas and exploring other ways they could help the school interact with people.

As part of the Nexus Co-Curricular Programme, students will be learning how to develop Apps and look forward to Juvo developing their idea further!

"Huge congratulations to all the students who took part and I am incredibly proud of them. I was quietly confident our students would win something because the quality of their ideas and their passion. The Juvo team have an excellent concept which I can genuinely see it successfully used in schools and other organisations".  
Mira Oates, Nexus Co-Curricular and Primary Co-ordinator.





# Cornwall School Games – Volleyball

## Back in May, Cornwall School Games Volleyball Tournament was held at Carbis Bay Beach.

The Tournament attracted schools from across the County, with some

teams playing at National Level. Six teams represented Camborne Science and International Academy in the year 9 and 10 girls and boys mixed events. All KS4 teams were brilliant representatives of the school and demonstrated great determination, resilience,

sportsmanship and respect; all of which are key attributes required to be a top performer in sport. CSIA year 10 boys team reached the quarter finals which was a fantastic achievement, defeating Mounts Bay and Helston along the way.



# U15 County Cricket Champions

**On the 14th of July six Year 9 students represented CSIA at the U15 County Beach Cricket Festival at Perranporth Beach.**

There were a number of schools from all across Cornwall in attendance, most schools bringing their Year 10 teams. All six students were brilliant representatives of the school and demonstrated great determination, resilience, sportsmanship and respect; all of which are key attributes required to be a top performer in Sport.

The CSIA students won all three of their opening group games, to top the group and qualify for the final stages. CSIA then faced three very well drilled and highly skilled schools in Richard Lander, Brannel and Helston. However, our students overcame each of these challenges, displaying and applying a high-level of cricketing skills; to finish the tournament undefeated.

Congratulations to all of the CSIA students (Jacob M, Jake S, Jensen B, Luke H, Ben W, Lewis W), an amazing achievement and there aren't many better feelings than being unbeaten County champions.





# CSIA Duke of Edinburgh group tackle Snowdon

**On July 9th a team of 8 female students from Camborne Science and International Academy made the 8 hour road trip to the Snowdonia National Park in North Wales to complete their Gold Duke of Edinburgh Award.**

After a successful practice expedition around Dartmoor in April the teams set their sights on some challenging routes, including the 1085m summit of Snowdon.

To pass the assessment the teams must carry all food and equipment with them in order to be totally self-reliant for 4 days. With nearly 3000m of ascent to come the teams wished each other luck on Monday morning and set out from Dolwyddelan on their individually planned journeys.

"The Gold Duke of Edinburgh award is a very special thing, giving young people the opportunity to develop fundamental life skills. Taking students away from technology and allowing the opportunity for them to make real decisions which carry real consequences is an increasingly rare thing. I was thrilled to be able to take this group to the mountains of North Wales to test them in an environment where teamwork and resilience count

for more than academia." – Mr Douglas

Day two saw the hardest day for each team. The Green team (Betty Coupland, Kathryn Willoughby, Meghan Lambert-Jewel and Karenza Venables) took on the Moelwyn range while the Orange team (Freya Haase, Martha Rail, Autumn White-Moore and Mia Fulcher) tackled Snowdon via its technical Southern ridge. In a turn of bad luck this also happened to be the worst weather day for the teams, with a cloud base of 400m meaning they would have to rely heavily on their navigational skills.

"Walking up Snowdon was one of the hardest things I have ever done. After the first hour of walking we were in the clouds and having to use our hands to clamber over some of the rocky sections. We only saw one other group during our ascent, making us pleased that we chose to go up the less touristy South ridge. Getting to the top was exhausting, but when we reached the summit we were all so pleased with what we had done. Knowing we were the first DofE group from our school to climb Snowdon made it even more special." - Martha Rail.

The final day would include the long drive back to Cornwall, so both teams were up at 4.30am to cook breakfast and break camp for a 6am start. By early afternoon both teams arrived at the Northern tip of Llyn Craftnant (Llyn means lake in Welsh) to meet their assessor and find out if they had

passed all of the conditions required to successfully complete the expedition. "Not only did both teams pass, but they did so in emphatic style.

They made very few errors and the ones they made were rectified quickly, appropriately and without assistance. Each time I saw the groups they were together as a team and knew exactly where they were. The teams had clearly put a lot of effort into their planning and training, which paid off with one of the best performances I have seen from a school in recent years." – Craig Letham, Assessor.

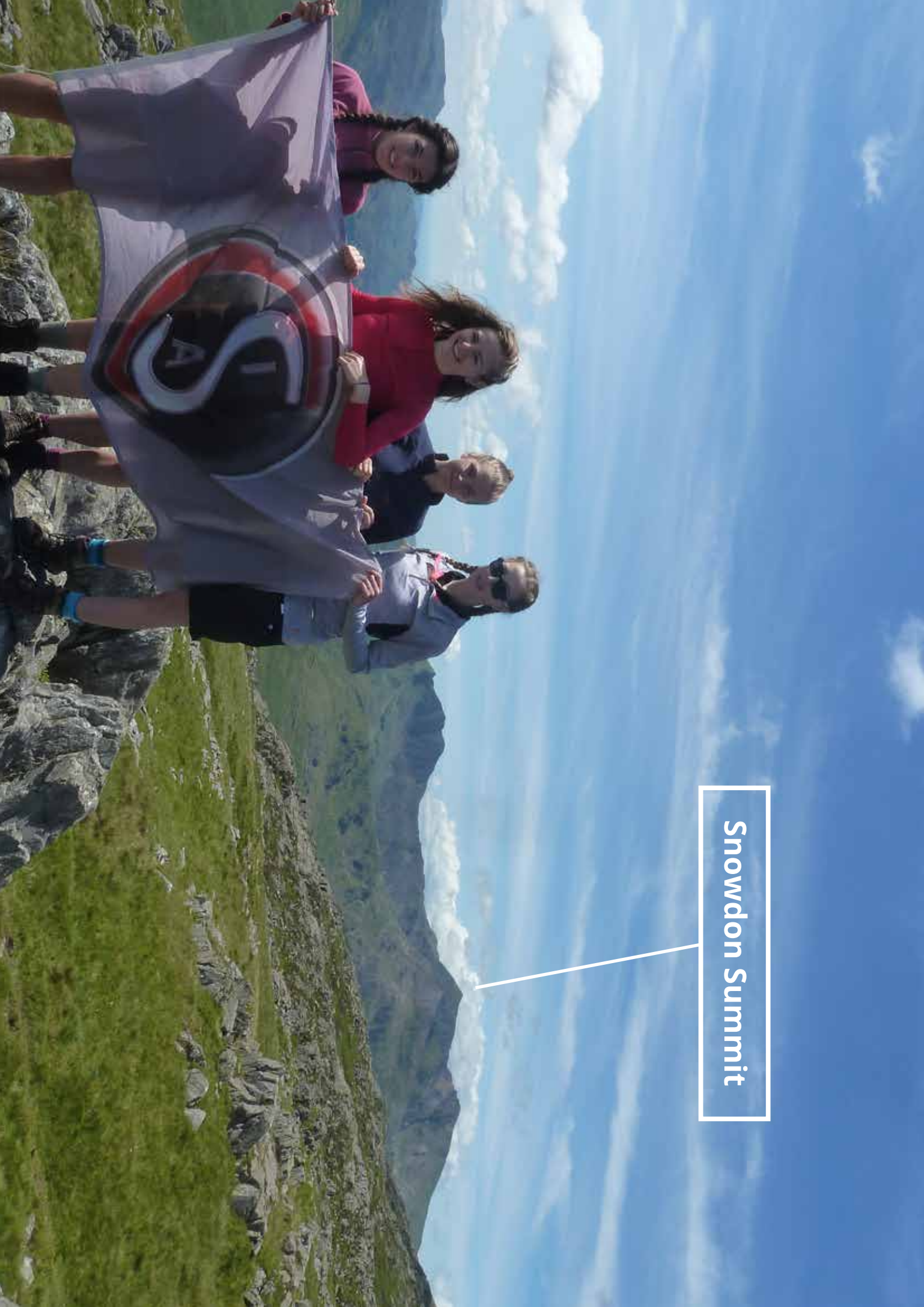
Relieved and exhausted the students and staff made a quick exit from the mountains, back to the moorlands and coastlines of Cornwall. Once all other sections of the award are complete the students will be given the opportunity to travel to St James's Palace and be presented with their awards by a member of the royal family and guest celebrities.

"These students are exemplary ambassadors for our academy and are set to go on to achieve great things in their professional lives. The Duke of Edinburgh Award plays an important role here at CSIA and year on year I see the correlation between participation in the award and success after school. Congratulations to all involved for their determination and commitment to achieving this accolade." – Mr Kenworthy, Principal



Orange team beginning their ascent of Snowdon on Tuesday morning

## Snowdon Summit





Wild camping in Cwm LLan - 53°02'56.5"N 4°03'49.5"W







Betty C, Karenza V, Meghan L, Kathryn W. Green team approaching the finish line on Day 4



Orange team approaching the finish line on day 3





. Martha R, Freya H, Mia F, Autumn W – On the summit of Snowdon

# Cambridge experience 'amazing' for Nexus VI students.

## Six students in Year 12 at the VI Form Academy have travelled to Cambridge as part of a Nexus VI University experience visit.

The three day visit has so far included a tour of the Department of Chemistry by Dr Priyanka Joshi and a tour of Trinity College by Professor Imre Leader. Both Prof Leader and Dr Joshi have previously visited Nexus to deliver academic lectures and were both delighted to catch up with the Nexus students again. Prof Leader showed the students normally off-limits areas such as the renowned Wren Library and the Senior Combination Room which is normally reserved for Fellows of the college. Dr Joshi

showed the students around undergraduate labs and the Department library as well as her own working laboratory in the Centre for Misfolding Diseases.

The students have also been shown around Downing College and Churchill College by admissions staff and have received a lecture on Computational Biology by a current student at Downing. They have also been given a tour of the Whittle Lab, the worlds foremost research facility into turbopropeller engineering.

Kat, who is interested in reading English at Cambridge met with Dr Wilson-Lee from Sidney Sussex College who explained about the course and gave her advice regarding applying to Cambridge.

Later today the students will visit the Whipple Museum – dedicated to the history of science and based in the old Cavendish Laboratories, home to 29 Nobel Prize winning discoveries including the structure of DNA.

The students have been staying in Downing College for their visit and have also had the chance to sample student life, from relaxing in the College cafe to eating in the Great Hall. This has been an amazing trip and many of the students are feeling much more likely to apply to Cambridge now. Jodie, who wants to apply for Natural Sciences said: "It's totally different to what I expected! I can really see myself studying here!"



A visit to the undergraduate library at Downing College.





Imre tours Trinity College



Meaghan up close with a dinosaur

# Astronomers show their star quality

**Students who study Astronomy as one of the co-curricular activities at Nexus attended the Space Weather Symposium at the University of Exeter in July.**

The students attended conference sessions delivered by Dr. Maria Weber (Stellar magnetism and habitability) and Dr. Gabby Provan (Northern Lights) as well as presenting their own work to the judges, who were all professional astronomers and academics.

The workshops were truly stimulating and exciting; students were showed how the Northern Lights are formed, and were able to see this in action through some incredible experiments. The students had entered an academic poster into the poster

competition. The first group, of Ben W, Jack B, Dylan F-S and Holly R submitted a poster on 'Life without the Sun'. Cian O, James B, Jake L, Adam C and Sibile G had researched Solar Exuberances. Both groups were highly praised by the judges. The students were quizzed by Professor Delores Knipp, from the Colorado Centre for Astrodynamics; Professor Patricia, Rice University and Professor Norma Bock Crosby, Institute for Space Astronomy.

We were delighted when the prize winners were announced. The Nexus teams won First (Life without the Sun) and Second place (Solar Exuberances) in the competition.

The judges commented on the Nexus students' excellent knowledge of astronomy, and their well-prepared posters. The students were presented with a



beautiful book about Space as a prize for their presentations. Many thanks to Dr. Grant Mackintosh and Kim Mackintosh who have led the Astronomy at Nexus this year.





**At the end of the summer term, Year 10 students took part in a week of Work Experience. All students across the year group found placements and had their first in-depth look of the world of work.**

Securing placements wasn't an easy process. Throughout Year

10, students had the realistic experience of searching for employers in their fields of interest. They needed to write letters of application, attend interviews, visit employers and make phone calls. For some students, they needed to overcome a number of challenges and needed to pass a rigorous selection process to be accepted. All of the students' hard work and resilience paid off with 100% of the year group finding placements.

The week itself was a complete success. Students had a thoroughly enjoyable experience, with many opportunities to learn and develop. Some students have secured part time employment as a result of the week and many now have a clear idea of their future career path. All students should be proud of how hard they worked and how well they represented the school and their families.

## Bethany B - Newquay Zoo

**Bethany thoroughly enjoyed her placement at Newquay Zoo working as one of the keepers.**

In one day she fed a huge variety of carnivores and has

enjoyed participating in all of the requirements of being a keeper.

Bethany particularly enjoyed feeding the otters who were a highly demanding bunch. We must congratulate Bethany on her placement at Newquay Zoo

as it is a hotly contended work experience with a strenuous application and interview process.

A handful of placements were fought for by over 150 candidates, so this is a well deserved placement for Bethany.







Ben W, Chloe I, Chloe Y, Chyden B, Ryan K Graduating at the Police Cadets Passing Out Parade



Tilly Learning the anatomy of a Great White Shark at the Falmouth Marine School





Camborne Science & International Academy is hosting another programme of inspirational Super Saturday Workshops for Gifted and Talented Year 5 students from our partner primary schools.

## 2017 Dates

30th Sept – Year 6: Codebreaker (English & Maths)

14th Oct – Languages: Magical Mandarin Maths

11th Nov – Geography: Geohunt

25th Nov – English: Witchcraft & Wizardry

2nd Dec – Science: Christmas Chemical Mix Up



**Go to our website for more details!**

If you would like to book a place on any or all of the above workshops, please fill in a booking form on our website, call on 01209 712280 or email [supersaturdays@cambornescience.co.uk](mailto:supersaturdays@cambornescience.co.uk)



**CAMBORNE SCIENCE  
& INTERNATIONAL ACADEMY**





# Cambridge University Chemistry Challenge

## **This year 4 students from The VI Form Academy spent 6 months preparing for The Lower Sixth Cambridge University Chemistry Challenge**

The annual competition aims to stretch and challenge gifted Year 12 students who are interested in chemistry, and provides excellent experience for anyone thinking of studying a chemistry related degree at university.

The students sat a 1 ½ hour paper at the end of July which was designed to significantly stretch their knowledge and skills beyond the syllabus and encourage them to think about science in the way they would at university. Schools across the UK enter their most talented chemistry students and those achieve well are presented with an award so the students and their teachers were all delighted to know that their hard work had paid off with all of them achieving an award, an incredible achievement.

Cameron H said that "The challenge was very difficult, harder than anything I had encountered before. After learning that I had achieved an award, I was ecstatic. I found this paper more difficult than the past papers I had completed, so being told that I did well in it made my day"

Cameron H, Jodie G and Matthew T were presented with a Copper award whilst Conor gained a Gold award. A huge congratulations to all 4 students

## **British National 4X MTB Success**

### **Ruben M has finished third in the British National 4X Mountain Biking Championships.**

The National Championships were held in Moelfre, North Wales in the last weekend of July. Various rounds of the British Series have taken place in North Wales, Chester, Bedfordshire, Forest of Dean, Falmouth and Gloucester since early March. This has meant a large amount of travelling and commitment for Ruben as well as camping in muddy fields throughout the Spring.

His family members which doubled as chaperones say "he has been amazing company throughout the series, entertaining both us and the other riders and supporters.

We are of course immensely proud of him not just for the achievement, but also for his sportsmanship among his fellow riders, and his continuous positive attitude even when it has been pouring with rain,

and even when he has crashed."

Last year Ruben came fourth in both the National Champs and overall in the British Series, so not only has he moved up a place this year, he also moved up an age category to be one of the youngest riders and competing in a much more skilled group of riders.

Well done Ruben, keep up the training and good luck next season.





# Summer camp encourages girls into STEM studies

## This year 4 students from The VI Form Academy spent 6 months preparing for The Lower Sixth Cambridge University Chemistry Challenge

The first ever STEM Summer Camp for girls recently took place at Nexus - Camborne Science and International Academy's STEM centre of excellence - with 27 girls from all over Cornwall taking part over three days.

Dr Jo Foster, director of Nexus, said: "We are absolutely delighted that our summer camp was such a success.

"In the UK, it's an ongoing problem that not enough young people are choosing to study STEM subjects and females are particularly under represented. Nothing like this has ever been held before in Cornwall and our girls were incredibly excited to be involved."

On the first day, the Royal Navy's Lt. Helen Forster, leading hand Ana Roberts and Lt. Cdr. Niky Wallace led the girls through two workshops. During the sessions, the group learned how a jet propulsion engine works, designed and tested rockets, learnt about wing shapes, created helicopter blades and made obstacle courses for the other teams to try.

Dr Foster said: "We can't afford to wait until girls are in college to foster their interest in STEM - it's about inspiring them through events like this from an early age, providing role models and giving them practical experience.

"It was a jam-packed three days

from start to finish with the girls captivated throughout.

"They took part in an Engineering challenge where towers were made from marshmallows and spaghetti, then marked according to their design, their height and their weight-bearing capacity. Very unusual activities and lots of fun"

On the second day the girls made a pH column and their own indicators with vegetables, and then explored the big mystery of Hogwarts - who had poisoned Dumbledore. They used flame tests on samples from the suspects' shoes to find out.

On the last day the girls took part in a day of astronomy, finding out all about the sun, comets and asteroids, and using microscopes to find their very own micro-meteorites to take home with them. They also took part in a stargazing tutorial so that they can take their own family stargazing.

Izzy C, from Rosemellin Primary School said: "I really enjoyed it. The thing I enjoyed most was the Space Day...it was amazing."

Imogen S, from St. Mary's Primary

School in Truro, added: "I loved the Summer Camp and would like to do it all again. It really got me into science, engineering and astronomy."

The Summer Camp finished with a presentation event for the girls and their parents, where their many achievements over the past few days were recognised. Thea S from St. Buryan Primary School in Penzance won the award for Most Promising Young Chemist, Isabel S from Bosvigo Primary School in Truro was awarded Most Promising Young Astronomer, and Agnes W, also from Bosvigo School, won Most Promising Young Engineer.

CSIA principal Ian Kenworthy added: "Not only was the Summer Camp designed to inspire everyone involved, but to build confidence in STEM - a highly-skilled, highly-paid, high-growth sector industry - and foster a passion for these subjects from an early age.

"It's vital to encourage girls to pursue these fields of interest, to break down stereotypes and showcase what incredibly creative and fulfilling careers they can have in the STEM industries."



In the 'Rainbow Fizz' session, the girls made a pH column.



Engineers from RNAS Culdrose worked with the girls to design and test rockets



The groups carried out flame tests to solve the mystery of who poisoned Dumbledore



Girls from all over Cornwall came to the Summer Camp at Nexus



The girls were able to take the micro-meteorites that they had found home with them



Searching for micro-meteorites on Astronomy Day





Girls from the STEM camp taking part in a game of 'Elves, Wizards and Giants'



Red cabbage made the best indicator

# Singapore International Science Challenge 2017



**In June three of our students and two staff travelled nearly 7000 miles around the world to Singapore, just 88 miles from the equator, to attend the Singapore International Science Challenge (SISC).**

"It was the most incredible trip; we did so much. Not only did the students get great experience working with students from all over the world for their science challenges, but they got to see and experience a lot of what Singapore has to offer." Miss Ormerod Martha R, Jenna M and Cameron H created a research poster to present at the SISC as part of one of the challenges.

The theme for SISC 2017 was Connecting Minds: Discovering New Frontiers. Underpinning this theme was the creative use of technology to create a smart globe that transcends the status quo of our human condition. With this theme in mind, students were split up and placed in teams with students from all around the globe to complete the other challenges.

In addition to the research challenge, students also completed a machine learning challenge and a

design and build challenge, which Jenna and her team went on to win. "The standard of work going on in these challenges was incredibly high. I was extremely proud to have one of our students on the winning team. All students were out of their comfort zone in these challenges, working with international students, but they all coped very well and told us they felt they had really grown throughout the process." Miss Ormerod "In addition to the Science challenge we managed to explore Singapore and experience a variety of new and exciting adventures.

On the first day, despite travelling through the night, we went to the very top of Marina Bay sands, giving us breath-taking panoramic views of Singapore. We got to grips with the underground system and went to see the infamous man made trees in Marina Bay.

Another day after eating lunch in a traditional Hawkers market, we got the boat over to the island of Pulau Ubin. We rented bikes and cycled around the mini rainforest, accompanied by monkeys and wild boar! We climbed an observation tower to get amazing views of the island and across the Indian Ocean before cycling back. We all agreed this was one of our favourite days.

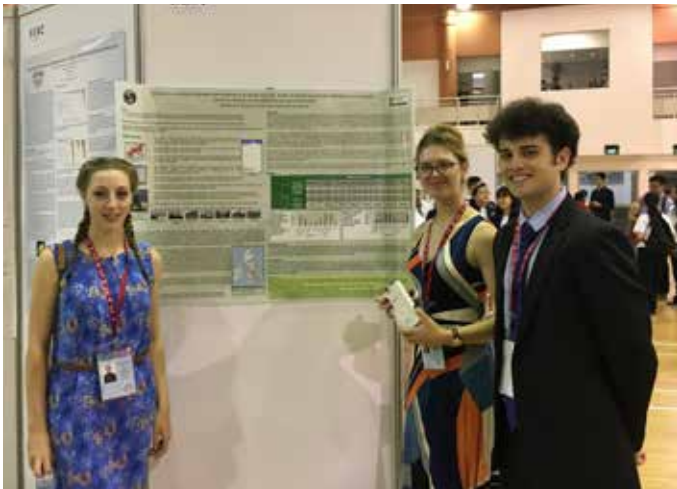
During our trip we also managed to go to China town, little India and even visit Raffles and the national Merlion statue. Another highlight of the trip was definitely our night at the Kellang Theatre where we were treated to a performance by all the different dance groups at NJC. We watched traditional Indian, Malaysian,

Chinese and Japanese dances. The students were absolutely in awe of these exhilarating performances. In addition to these amazing experiences, we ended our trip with a visit to the botanical gardens followed by a night safari. The students loved riding on the safari night train around the 70 acres of the zoo, coming within meters of huge varieties of animals including elephants, rhinos, hyenas and bears.

All in all this was a once in a lifetime trip, jam packed with new and exciting experiences." Miss Ormerod.

"The students have made so many new friends and have thoroughly enjoyed their time staying at NJC, particularly the welcome and leaving parties complete with party games, photo booths and fancy dress!" Miss Ormerod.









# OPEN EVENING

at Camborne Science & International Academy

**2<sup>nd</sup> November 2017**  
**6:00pm**

[cambornescience.co.uk](http://cambornescience.co.uk)

Tel: 01209 712280



CAMBORNE SCIENCE  
& INTERNATIONAL ACADEMY



## NEXUS VI

### Gifted in Science & Maths?

Come and see Nexus VI, a bespoke programme for high-flying students intending to study Science and Maths A-Levels, with progression to the most prestigious universities.

## NEXUS CAMPUS OPEN MORNING

**Saturday 25th November**  
**10:00am - 12.30pm**

[www.nexuscsia.co.uk](http://www.nexuscsia.co.uk)