

One of Cornwall's Most
Consistently High Performing
State Secondary Schools

LEARNING TO BE
EXTRAORDINARY

cambornescience.co.uk



Sixth Form on exchange in China, taking in the views of the Great Wall of China



CAMBORNE SCIENCE
& INTERNATIONAL ACADEMY



CSMS



COMMUNITY NEWSLETTER

March 2019 | Issue 67

Ollie's eyes are fixed on the skies

Nexus 10 student Ollie T, who plans a career as an astronaut, landed himself the experience of a lifetime after writing to a number of organisations expressing his enthusiasm and passion for space exploration.

Ollie was invited by United Launch Alliance CEO, Tory Bruno, to go and visit the 'Space Coast' in Cape Canaveral Florida over the Summer holiday last year. The 3-week visit included witnessing two rocket launches and

meeting some of the most influential people within the Space Industry; this included 7 astronauts.

Ollie witnessed the launch of the historic NASA Parker Solar Probe, this was being launched on the ULA Delta IV Heavy rocket. This is the second most powerful rocket currently in operation anywhere in the world. He witnessed the launch from the Atlas Spacecraft Operations Centre - at a distance of only 1.6 miles away from SLC 37B Launchpad.

Ollie was able to join a handful of space industry experts, government officials including Vice President Mike Pence.

The first launch attempt was 'scrubbed' at T-4 minutes, this meant coming back the following evening and finally watching the successful launch.

Ollie was also lucky enough to meet Parker Solar Probes' Head Scientist, Dr. Nicola Fox, of Johns Hopkins Applied Physics Laboratory. She is a British scientist who has worked on the project from the very beginning. She leads an international team of scientists and engineers to accomplish the goal 'to touch the Sun!'

The Parker Solar Probe is the first mission to be named after a living

scientist. Dr Eugene Parker first theorised the existence of solar winds in the 1950s, these have since been proved and witnessed. The Parker Solar Probe will carry on his work over the coming decade.

Ollie made many valuable connections during his time at Cape Canaveral, for example he had the opportunity to talk to Jenny Verniero who is currently working as an intern on the Parker Solar Probe Project as a Data Analyst whilst completing her PhD. Through the many conversations and connections made during his visit, Ollie has been offered a future place on the ULA Internship Program.

He has also secured the opportunity to visit both NASA's Goddard Space Flight Centre in Washington D.C. and Lockheed Martin in California in the next few years. Ollie, who is part of the Gifted STEM Programme at CSIA said, "Being able to have this experience was amazing, feeling the extreme power and sounds of the rocket as it lifted off - standing next to the Vice President of the United States; the President of Lockheed Martin; the Director of Kennedy Space Centre; ULA's Tory Bruno and top NASA Scientists and Engineers. It was just unreal!"

We're absolutely delighted that Ollie is having such success at pursuing his dream. If you would like to find out more about the Gifted Programmes at Nexus, contact us on



Delta IV as she lifted off from the pad in the early hours



Talking with the Director of Kennedy Space Centre and four time Astronaut, Bob Cabana

Department for Education praises “fantastic opportunities” at CSIA

CSIA’s specialist provision for STEM and the most able, has been identified by the Department of Education as a leading light in both STEM education and in education for the most able.

We recently hosted an all-day visit from Mr. Paul Kett, Director General of Education Standards at the Department of Education.

Mr Kett was particularly interested in the Gifted programmes on offer at Nexus and Cornwall School of Maths and Science; our VI Form provision for the most able in STEM. He highlighted the impact of the additional work that we carry out linking student learning to future careers and further study opportunities in STEM. Mr Kett visited both the main and Nexus campuses, meeting students, visiting lessons and learning about the enrichment programmes available at Nexus and Cornwall School of Maths and Science.

Mr Kett stated “From all I saw it is clear Nexus provides a wonderful, innovative opportunity for your students, within an already excellent setting of CSIA. The energy, enthusiasm and achievement of the Nexus pupils is a credit to you and all of your team.

I was very impressed with the standard and quality of teaching, and the obvious enthusiasm the pupils have for learning both within the classroom and beyond.

It was great to see the focus on the

potential of all pupils and the range of ways in which you enabled them to further their learning. I was also delighted to hear about the work you were doing with primary schools to support and promote high quality primary science and mathematics teaching, and inspiring primary pupils – especially girls – of the fantastic

opportunities of science.” We are delighted that the impact of the Nexus programmes has been identified by the DfE, and hope to be able to support other Schools and Colleges to develop their own STEM provision. CSIA is hosting a further visit for the Director of STEM Education at the DfE later this term.



Dr Jo Foster, Mr. Paul Kett, and Mr Dan Chapman

Prime Minister appoints Vice Principal to Science Museum Board

Dr Jo Foster has been appointed by the Prime Minister, Theresa May, to the revered Science Museum Group Board.

Dr Jo Foster, Vice Principal at Camborne Science and International Academy and the Director of Nexus - CSIA’s STEM Centre of Excellence – has taken up the role alongside seven other trustees.

“I’m really delighted to have been appointed as a Trustee for the Science Museum Group. My role on the Board of Trustees will enable me to have an impact on the direction the Science Museum Group take in terms of their provision not only in their museums but also in terms of outreach and resources that are available all over the country” commented Dr Jo Foster. “As a teacher, I hope to be able to bring a new perspective to the Board of Trustees. The Group is very keen that the work of its teams has the widest

possible impact, not only in terms of the visitors to the museums, but also more widely in the world of science education.”

The Science Museum Group is the world’s leading group of science museums, welcoming around five million visitors each year to museums across the country. “As well as safeguarding some of the most precious artefacts we have in the UK, the Science Museum Group is committed to developing public understanding and enjoyment of STEM.”

Dr Foster has been involved in the teaching of Science for 17 years and will start her position in July 2019, with a term running for four years.

“As part of my work at Nexus, we improve access to exciting opportunities in STEM for all the children in Cornwall, not just those who attend Nexus and CSIA. We have been a hub for the Bloodhound Supersonic

Car, we organise and run workshops and events for Primary schools, and we hosted the first ever Cornish Schools Primary Maths Olympiad. We run a Scholars’ Community for any Year 7-11 students in Cornwall who is a STEM enthusiast to come to lectures and other Science and Maths events” added Dr Foster.

“I hope that through my work as a Trustee of the Science Museum Group, I will be able to help to spread the Group’s amazing work and bring some of the magic, the ‘wow’ of seeing something incredible; of holding something extraordinary, to the children of Cornwall and other regions of the country.”

Dr Foster is joined as a Trustee by Sarah Staniforth CBE, Iain McIntosh, Steven Under-wood, Judith Donovan CBE, Professor Ajit Lalvani, Sir Peter Hendy CBE and Dr Hannah Fry.



Dr Jo Foster with Director of the Science Museum Group, Ian Blatchford



CSIA Celebrates Christmas with Festive Concert

Embracing the festive spirit, our students have performed a wonderful Christmas Concert to remember in December.

“Thank you to all those in our school community who attended our Christmas Celebration,” said Steve Simmonds, Assistant Principal and Director of Key Stage 3 at CSIA. “It was such a lovely evening and we’re very proud of all the students involved. It was a showcase event exemplifying the excellence of our students.”

The Year 7 choir entertained the congregation with their carol singing and their wonderful rendition of ‘This

is Me’. Throughout the evening, there were excellent contributions from CSIA singers and musicians, including Joshua P who excelled at accompanying on the piano. Year 7 readers provided a timely reminder of the Christmas story and Alan Pope and Camborne Youth Band entertained the congregation with their Christmas Medley,

“We’re very proud of our students who performed brilliantly in front of a huge congregation,” said Steve Simmonds. “We would also like to give thanks to everyone who attended and showed their support.”

The address and blessing was delivered by Father Anthony, a member of CSIA’s Chaplaincy Team.

“Our annual Carol Service is always such a wonderful occasion and a timely reminder of why we celebrate Christmas” added Ian Kenworthy Principal at CSIA, “Everyone in attendance joined in with a selection of carols to ensure that the occasion was a joyous one to mark the beginning of the festive celebrations!”



Charlie F, Isabel D, Isla R and Ewan M



A Royal visit from HRH Prince Edward, Duke of Kent

A selection of students were delighted to be invited to exhibit the work of GCSE, A Level Art & Design and Design & Technology students in the refurbished building which houses both the library and Camborne Town Council.

A wide selection of high-quality work was displayed to celebrate

the exceptional quality of work produced by our students. A group of students including Nathan P, Eva R, Chloe Y, Kelsey M and Maddie J were invited to the official opening of the building which was carried out by His Royal Highness Duke of Kent in late September.

His Royal Highness was extremely complimentary about the work on display, commenting specifically on the Beehaus Bee Hive designed and manufactured by former

student Karenza V who is now studying Industrial Product Design at Loughborough University.

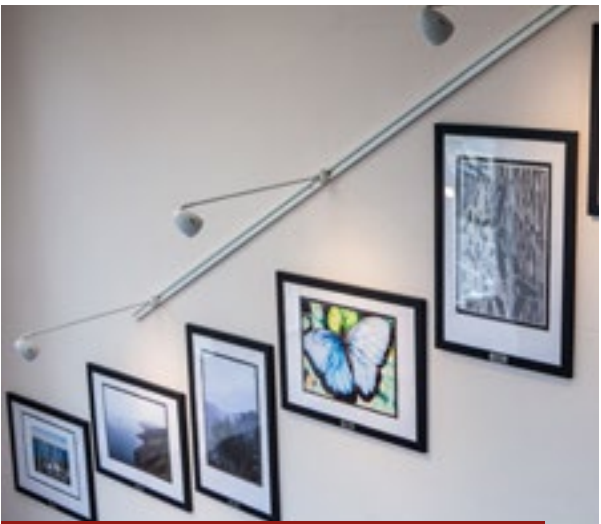
Tristan Burt, Director of Learning for Design & Technology and Art & Design commented, "This is an excellent opportunity to share the excellent work of our students with the local community. We look forward to continuing to exhibit the work of our students in the future."



CSIA Staff and students awaiting the arrival of the Duke, posed in front of the A Level Art & Design and D & T showcase.



Prince Edward admiring the A-Level display



More CSIA art was displayed on the staircase



Collaborative Research Programme in Singapore

Last September, five CSIA students took part in the first part of the NJC and CSMS collaborative research programme.

The students from CSIA VI Form and CSMS have been working on high-level academic research with students from the National Junior College in Singapore. The work began on degree level research into the fields of mathematical modelling, advanced particle physics and biomimicry.

The students worked in teams of three or four, with up to two CSIA students and two NJC students, to carry out a

literature review into current research and to use their findings to decide on their own research question to investigate. During the week each group planned a methodology to collect data, carried out their plans and then used their findings to draw conclusions. On the final afternoon, the students presented their progress this week to each other and NJC's Principal Mr Ang Pow Chew and outlined where their research will take them in November when the NJC students will come to Camborne for a further week of international collaboration.

Alongside the demanding scientific and mathematical research, the students were engaged in an exciting cultural

exchange. The students were living with their NJC colleagues for the week and had the opportunity to explore what life is like in Singapore, visiting scientific and cultural attractions and sampling some of the amazing food Singapore has to offer. The close friendships which have developed this week are sure to mean that the students will keep in touch long after the academic programme has ended.

We at CSMS and CSIA would like to extend our thanks to the National Junior College for their assistance with the research projects, particularly Mr Ke Ming Tjhin and Ms Yee Lee Ng.



Teachers and students experience local cuisine and culture



Saying goodbye to Singapore or saying "Goodbye for now"



Students visit some of Singapore's amazing landmarks



Fire tornado at Singapore's Science Museum



CSIA and NJC students celebrate their collaborative projects

A Science Inspired Canadian Adventure

Five students from Camborne Science and International Academy have taken part in a global conference in Canada.

The group attended Bio-Innovation Week with Fort Richmond Collegiate in Winnipeg, with other young people from around the world.

“The week consisted of guest speakers from Nutrients for Life, Manitoba Agriculture and University of Manitoba who delivered workshops and presentations on varying aspects of food and water security, including soil properties, testing and weather effects for farming and water quality through biodiversity in rivers and lakes,” said Tamsin Hosking, teacher of PE at CSIA.

“As part of the programme, students explored the ethical implications of food and water security across the globe.”

Accompanied by their teachers, the visit was organised by CSIA as part of their ongoing and revered international programme.

“Throughout the week, students worked collaboratively in mixed international groups to research and produce an environmental farm plan” commented Mrs Hosking. “They were asked to consider long term sustainability, environmental implications and financial benefits before presenting their work. This was not an easy task but our students were fantastic and a real asset to the school.”

Students were housed with host families who gave them a locals view of the area as well as taking them to their host schools to experience a Canadian Middle school environment.

“We’re very proud to offer life-changing opportunities for our students - they have made lasting friendships and connections with peers from across the world through our science programme” added Mrs Hosking.

Principal at CSIA, Ian Kenworthy, added “Not only did our group have an incredibly enjoyable visit, the trip was very fulfilling in terms of personal development and educational attainment, and they represented our school admirably.”



Representing GB, the conference involved students from Canada, Australia, Great Britain and Thailand



The team at the top of the Human Rights museum in Winnipeg



Jasmine learning about how to identify different soil types through touch



Sapphire learning about microbes in soil



Lalita, Katie and Charlotte at the start of the conference launch at the Human Rights Museum



Visitors from China Experience “Best of Cornwall”

Ten students from Beijing, China, travelled to Cornwall recently on an educational and cultural exchange with Camborne Science and International Academy.

The students, from the Experimental High School of Beihang University visited between the 22nd September and the 2nd October for a jam packed, ten day trip.

“We were delighted to welcome these very special guests to Cornwall and showcase how lucky we are to live here” commented Paula Tippet, International Education Coordinator at CSIA. “Our visitors stayed with CSIA families in Camborne and the local area

to experience what life is like in the county. Living with host families allows our visitors to explore our traditions, practise English language skills and live like a local! It’s so beneficial for all involved.”

The group experienced lessons at the main campus and at Nexus, and visited top locations across the county.

“We wanted to showcase the very best of what Cornwall has to offer, this included visits to Falmouth with its Maritime and Tudor heritage. We also visited St Michael’s Mount, Pendennis Shipyard, the Maritime Museum and the Eden Project” commented Miss Tippet. “Students from Years 10 to 12 were part of the hosting group, allowing CSIA students to make connections and friendships across the wider

school community as well as with our international guests.”

“This amazing opportunity to forge international relations is an exceptional aspect of CSIA and we’re very grateful for the time and effort that families have made in making our exchange group feel so welcome. We are honoured to have such support from our community” added Miss Tippet. Other international trips planned by CSIA over the next 12 months include visits to Thailand, China, South Korea and Japan.

“We are very proud to offer these fantastic opportunities for cultural exchange, new friendships and fun” commented the Principal at CSIA, Ian Kenworthy. “Our visitors left with lifelong memories and connections.”



The Raspberry Shake Seismometer

The Geography, Nexus and CSMS teams were thrilled to host the launch of our Raspberry Shake seismometer.

Just before Christmas, Nexus welcomed Lucy Cotton from United Downs Deep Geothermal Power (UDDGP) Project and Professor Iain Stewart, UNESCO Chair in Geoscience and

Society, and Professor of Geoscience Communication at Plymouth University. The launch included a lecture given by Professor Iain Stewart on the 'Science of Earthquakes' and an overview of UDDGP from the Project Geologist Lucy Cotton.

Students were fascinated to hear world renowned geographer, Professor Stewart, talk about the global issues that surround plate tectonics. Harry J,

Year 10, stated that "It was a brilliant lecture that highlighted elements of seismography that I will access at A-Level and beyond".

Isla R and Nell C.R said that they were really interested to learn about the fault lines that cross Cornwall and how they are being used to generate geothermal energy. Nell said that the data analysis of plate movement to predict future earthquakes was particularly interesting



and she will be watching the news for earthquakes in Turkey.

Isla felt that it was important to recognise that many of the people working on the project and following PhDs in Geography and Environmental Sciences were women saying "Girls can do it just as well!" From a future careers perspective it was also encouraging to hear about the growth of the energy sector in Cornwall and the social, economic and environmental impacts that it brings.

We are part of a group of nine

secondary schools nearest to United Downs to have a Raspberry Shake seismometer installed at their premises which will bring geography and physics to life through real-time monitoring of seismic activity. It will be fantastic over the coming months to share data with local schools and access data to monitor global seismic events, including some on our own doorstep.

Such experiences are an integral part of linking curriculum to careers and offer students valuable employer and academia encounters. We are looking forward to our upcoming experiences

with United Downs and Plymouth University as we continue to explore seismography and geothermal energy.



Minister of State for School Standards declares Nexus and CSMS "Wonderful"

News of the amazing success and positive impact of the Gifted Programmes at the Nexus campus has reached Parliament.

At the start of the new academic year, Nexus was delighted to accommodate a request to visit from the Rt. Hon Nick Gibb MP, the Minister of State for School Standards at the Department for Education. Nick travelled down from London especially to visit Nexus and CSMS to learn about the phenomenal things the students are doing and to see what lessons could be learnt from the approaches Nexus and CSMS are using to get the best from able learners.

Nick was accompanied by George Eustice, the Member of Parliament for Camborne and Redruth. Nick and George were given a tour of the campus by the Director of Nexus and CSMS Dr. Jo Foster, Principal of

Camborne Science and International Academy Mr Ian Kenworthy and Deputy Director Mr Dan Chapman. The visitors took a great interest learning how the Nexus programme is providing students from Cornwall with a world class education.

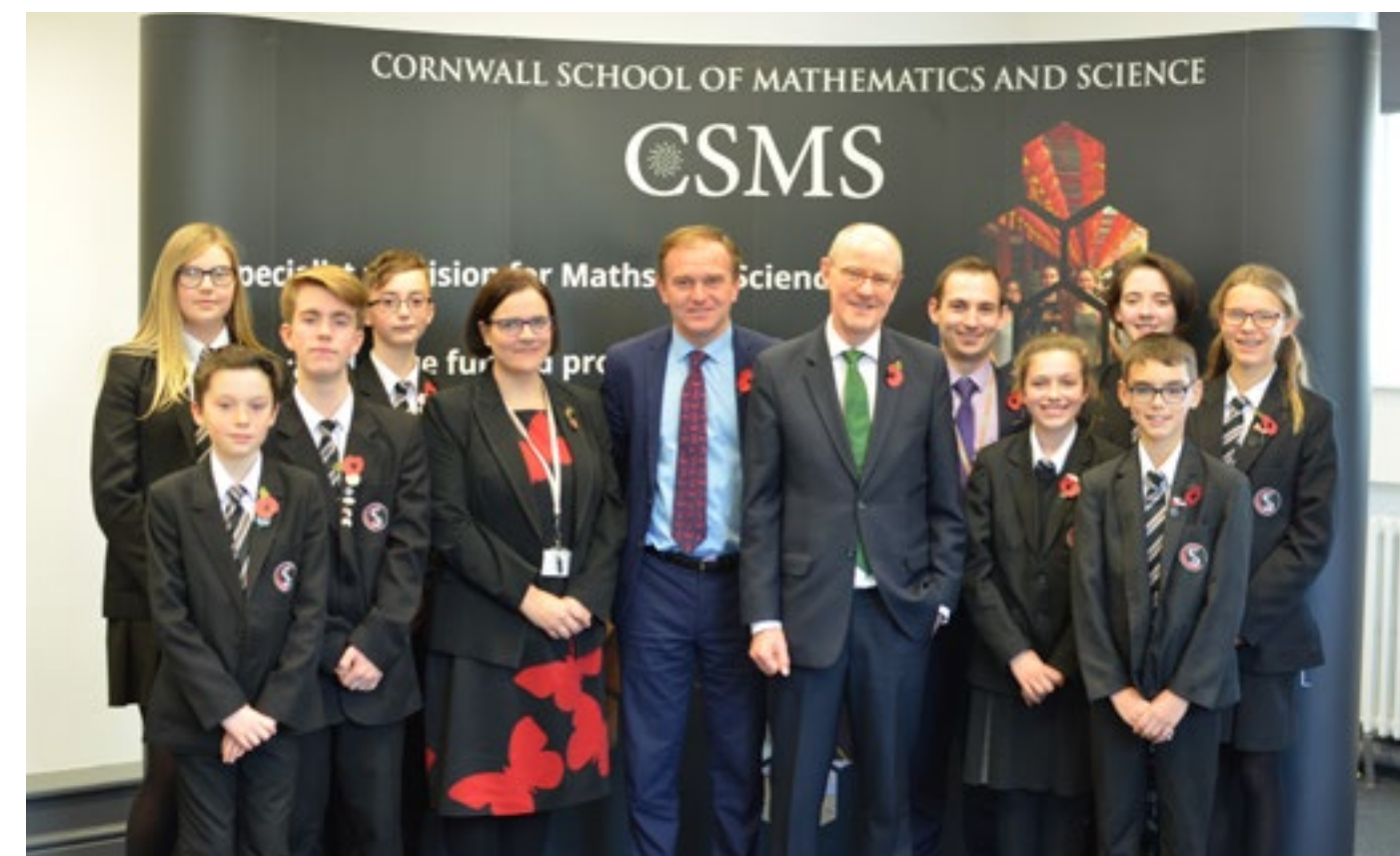
After lunch, both MPs were given the chance to meet several of our exceptional students. Anya A described how much she loves being surrounded by other students who are as keen as she is and said: "nothing is ever too much for the teachers, they really want to help you develop your interests".

Some parents of students in the Nexus Programme came into school to talk to Nick Gibb. Susan, parent of a Year 9 student, described the amazing changes in her very able daughter after joining the Nexus programme when she moved to CSIA from another school where she wasn't being sufficiently challenged. Susan said

what a huge difference attending the Nexus Programme had made to her child's happiness and enjoyment of school, and that "every able child in the country should have access to a place like Nexus to allow them to achieve their full potential".

Nick and George were both really impressed with the Nexus programme. George commented that it was a pleasure to meet our staff, students and parents and described the Gifted STEM programme as "a great initiative" while Nick described Nexus as "wonderful" with "inspired teaching".

Dr. Jo Foster said "We are so pleased that the importance and impact of what we are doing here at Nexus and CSMS is being recognised nationally as best practice for the most able. We are hoping to work closely with Nick in the future to improve the provision for the most able students throughout the UK."



A hands on learning experience at Treliske

On Monday 3rd December Year 13 Heath and Social Care students visited the Maternity Unit at Treliske Hospital.

Once we arrived, we were greeted by three midwives, all of whom work in different areas of maternity provision.

At the beginning of our session, the midwives asked us to identify the different roles of a midwife. We were all shocked when we discovered the number of roles and responsibilities a midwife comes into contact with on a day to day basis. Furthermore, many midwives then specialise again, into more specific roles such as bereavement and patient safety.

The midwives then surprised us with placentas to have a look at. Despite,

looking pretty gross, we were all amazed at how important they are for a healthy pregnancy. Abi T and Megan B found the placenta especially interesting and asked the midwives to explain to them the different functions it has. Abi T stated that it opened her eyes to the experience women have during their pregnancy and that it was very inspirational for her.

We were also given a guided tour of the maternity unit. Bonita M “was very impressed with the new maternity suite and loved the calming messages around the room.” Currently, the unit is being refurbished, it became apparent how beneficial it will be to the service users once it is ready.

Over the course of the session, the midwives reiterated to us the importance of a healthy lifestyle during pregnancy. Explaining to us the direct effects smoking has on

the foetus. Throughout a woman’s pregnancy, midwives even monitor the levels of CO₂ and can also identify if a woman has a smoker at home or discover lifestyle factors just like a faulty car exhaust! Autumn W, was especially interested in this element of the session, she said that she was particularly impressed with “the skills of midwives and the support they give to all under their care”.

Overall, we all had an amazing time at Treliske. From this experience, we have all gained a real admiration for midwives and respect for the role they play in the health sector. Today has been especially valuable for some of us, who have decided to apply for midwifery at university after gaining additional information we wouldn’t have known before. And to top it all off, we got to see a newborn baby; only 3 hours old!!!



Bronze DofE students jump straight into the Silver Award

Expedition season has kicked off this year with a Bronze DofE assessment at The Lizard.

60 students completed the 26km hike making it the biggest and most successful DofE assessment ever for CSIA.

Parents and carers joined the students in the sports hall at the end of the

expedition to watch badges being presented to those students who had completed all 4 sections of the award.

Stormy weather delayed the Bronze expedition leaving only 2 weeks before those students wanting to progress to the Silver Award to recover and prepare for their Practice expedition at Land’s End.

38 students chose to progress to the Silver award, continuing the rapid

growth of the DofE scheme the academy has seen in the last 2 years. “Having had limited recovery time, the students performed incredibly well.

This was their first 2 night expedition meaning the students have to start thinking far more carefully about what equipment and food they pack. All 38 students completed the route and can now look forward to their assessment on the more remote terrain of Bodmin Moor in May.” – Mr Douglas



Silver students enjoying the view at the end of their journey



Making camp on day 1 of the Silver practice expedition



Charity Judo International Championship

Rebecca and Bou have travelled to Kettering for The Charity Judo International Championship.

The event was run over two days with both girls competing. The KCJIC also attracts European competitors from as far as Italy, France and Holland.

Bou encountered some hard fights against older competitors and did extremely well coming third in her group earning herself a bronze medal. Rebecca again fought hard but

unfortunately didn't win her final event, after displaying excellent judo skills throughout the competition, Rebecca earned herself a silver medal.

Both students thoroughly enjoyed the experience and earning well-deserved medals. Both students are hoping to return to Kettering for the British Judo Council National competition.

Rebecca has also continued her training with the British Judo squad in Tamworth throughout the year, moving up from the Juniors Squad and now training with the Women's Squad.

The Regional Pistol Shooting Championships

Last October, 5 of our students at CSIA went to the South West Regional Championships at Lewisham in Dorset.

The students left in the early hours of the morning, along with their parents. This was one of 7 qualifying events across England, Scotland and Wales.

This year's championships were bigger and better than ever before where individuals and teams represented their schools.

The students performed really well on the day. In the Junior section, Tiffany scored 128 and came 31st. Thomas scored 81 and came 52nd. In the intermediate section Hannah scored 121 and came 20th and in the Senior Section Amy scored 136 and came 13th and Thea scored 103 and came 20th.

The students enjoyed the day and all performed well. Lucy Sage and Abbie Carveth (PE Department at CSIA) took the students to the event and commented on how talented these

students were. Fiona Rowles - Jane (Head of PE, Sport and Dance) would like to mention a special congratulations to Amy who same 13th overall in the competition.



THE
VI FORM
ACADEMY

AN ACADEMIC SIXTH FORM

The VI Form Academy recognised for 'Outstanding Progress'!

As this academic year starts to build towards coursework deadlines and national examinations it is a good time to take a moment and reflect on all the hard work put in by subject teachers, the pastoral team, students, and parents and careers. It is also fantastic to be assured that the dedication, expertise, and focus of all involved leads to A-level, BTEC, and Diploma results which are outstanding.

'Alps' is a national education organisation which uses national data sets to measure A level performance as well as set aspirational targets for students. Alps then challenges schools, colleges, and VI Form teaching teams to support their students to reach new heights. Alps compares almost 3000 schools and colleges in the United Kingdom and The VI Form Academy has been awarded a Certificate of Outstanding Progress as having produced student outcomes in the top 20% over the past three years.

This award is an endorsement of not only the dedication and aspirations of the students, but also the effective nature of The VI Form Academy which provides a great learning environment, supportive pastoral care, and broad enrichment opportunities to ensure our young people have the very best start in life so that their aspirations can become reality.

2018 Alps Certificate of Outstanding Progress

Camborne Science and International Academy

TOP 20%
Nationally

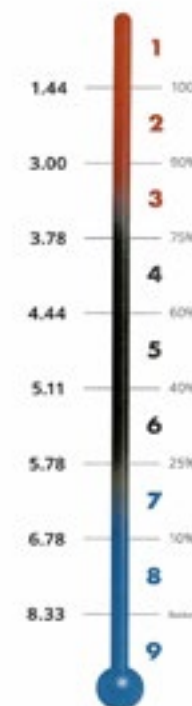
3 Year
T Score = 3.44

Well done!

Mary Ahern
Chief Executive

M. Ahern

National position compared to the A level outcomes of 2,817 schools and colleges in the UK



Alps Helping students aim higher



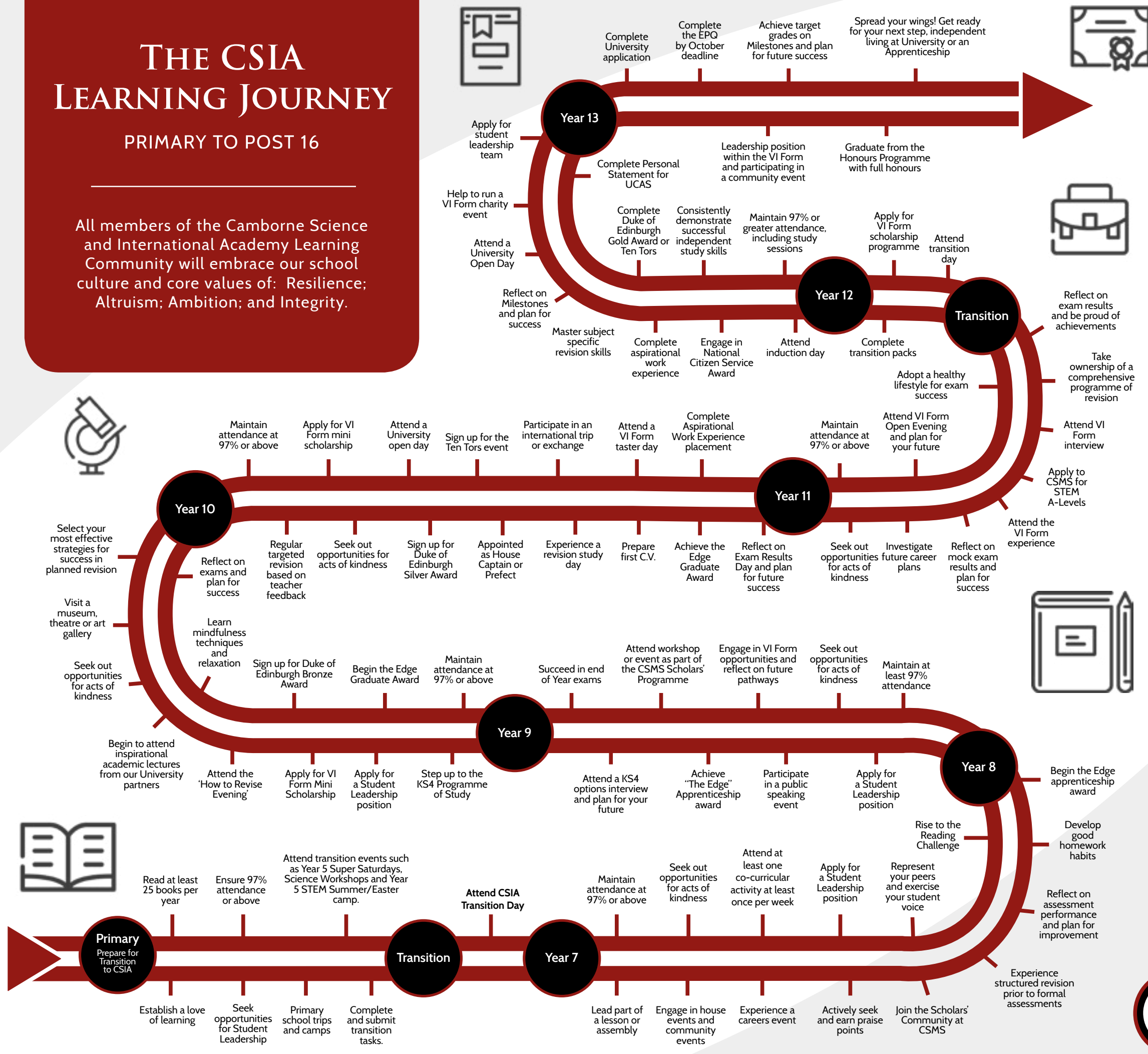
Inspiring the future of CSIA

Students recently returned to their Primary Schools to discuss their personal transition into CSIA Secondary School.

THE CSIA LEARNING JOURNEY

PRIMARY TO POST 16

All members of the Camborne Science and International Academy Learning Community will embrace our school culture and core values of: Resilience; Altruism; Ambition; and Integrity.



CORE VALUES

AMBITION

A desire to achieve a goal, or to succeed, accompanied with motivation, determination and an internal drive. An ambitious person achieves success based on their inner desire to succeed and their belief in themselves. They have high aspirations and set themselves goals to achieve.

RESILIENCE

A capacity to recover quickly from difficulties. It is about an ineffable quality that allows a person to be knocked down by life and come back stronger than ever. A resilient person is positive, optimistic, able to regulate emotions, and sees failures as a form of helpful feedback. Even after misfortune, a resilient person is blessed with such an outlook that they are able to change course and soldier on.

ALTRUISM

A capacity for selfless concern for the well-being of others. It is about respect and kindness to others and not about existing just for ourselves. Altruistic acts include not only those undertaken in order to do good to others, but also those undertaken in order to avoid or prevent harm to them.

INTEGRITY

A person with integrity tells the truth and acts in a sincere way. They treat people equally and take responsibility for their own feelings and actions. Integrity is more than just being honest; it's acting ethically, consistently, and in a trustworthy manner. Integrity is 'about doing the right thing, even when no one is looking'.



**CAMBORNE SCIENCE
& INTERNATIONAL ACADEMY**



Y7 Boys Rugby Team 2018/19



Y7 Girls Netball Team



Y8 Boys Rugby Team 2018/19



Y8 Girls Netball Team



Y9 Girls Netball Team



Y10 Girls Netball Team



Dance Group 2018/19



A reminder that CSIA is a Nut Aware School. We ask students and staff not to bring nuts, or products containing nuts (such as cereal bars) to school, in order to safeguard those with a life-threatening allergy.

Also, please notify Reception if you believe that your child may have an infectious disease (e.g. chicken pox), or if they have received a live vaccination.

This will ensure the safety of students with particular medical conditions. Thank you.

Music on the Battlefields of WW1

Several CSIA students were involved in Camborne Youth Band’s historic trip to France and Belgium - among them, Aaron T, Ben T, Thomas Card, Oliver C, Callum W and Corey W.

This trip was aimed at marking the centenary of the end of World War One. The young musicians followed in the footsteps of a group of miners from Dolcoath, who signed up soon after War broke out in 1914 and went straight out to join the Royal Army Medical Corps.

Student Corey W is the great great grandson of Fred Negus, one of these miners. Even more extraordinary: Corey and his family have Fred’s bugle, dating from 1914 and Corey played the Last Post on this bugle with the Band on the battlefields where the Cornishmen were based a century ago.

Corey and the Band also played at the historic Menin Gate in Ypres, Belgium, where tens of thousands of men who have no known graves are commemorated. Aaron T, solo cornet, and the other Camborne students played to an audience of thousands - many of whom were moved to tears.



Corey with his Great Great Grandad’s WW1 Bugle



Camborne Youth Band at Menin Gate Memorial, Belgium



CSIA Christmas Food Bank

Last term Masai and Maori students have been doing their annual collection for the Camborne Pool and Redruth (CPR) Food Bank.

The CPR Food Bank was established in 2010 to help local Camborne, Pool and Redruth people affected by the economic downturn. Since then, the food bank has helped thousands of people in our community.

We believe that at Christmas, it is especially important to ensure that everyone in our local community has a happy festive

season. Students in Years 7 to 11 brought in an astounding amount of food to give to local people and families. During the final week of term, House Representatives and Captains worked together to collect and organise all of the donations. When all the boxes were collected together and loaded into the CPR vans, it was clear to see that the donations will have a remarkably positive impact on our local community.

We at Camborne Science and International Academy would like to extend our gratitude to all of those students and parents who participated in this year’s CPR food bank appeal.



Beijing: the city of treasures

On November 21st, four CSIA students left Cornwall destined for Beijing, China.

The four, all sixth formers at CSIA, are veterans of the International Programme and have travelled extensively during their time at Camborne.



This trip, an exchange with the Experimental School of Beijing affiliated to BeiHang University, was an opportunity for students to immerse themselves in Chinese culture and develop and extend international friendships as part of a global network. The students spent 11 days with a host family, experiencing everything Beijing has to offer, including the Chinese education system; cultural practices; the rich history of China; wonderful landmarks and, of course, Chinese cuisine.

THE HOME-STAY EXPERIENCE:
written by Tom T

I have done home-stay twice before, and this was the experience that I was most intrigued about because of how different I had heard it was. It was clear

to everyone who took part in the trip that we were so lucky to be able to do this. Most of China's accommodation is similar because of the communism of the country, which means all of our experiences were similar. Often, the floors are wooden, as are the tables, chairs, beds and sofas. Everything is very comfortable and modern and we were so welcomed by every member

generous and able to show the 'hidden gems' of Beijing.

CHINESE CULTURE AND LANDMARKS:

written by Connor W

Beijing boasts some of the most interesting and beautiful architecture and sights in the world. The first weekend we had with our host families was spent at the Hutongs. These are the old streets of China, with traditional old-style architecture, which show what you would have found in China over 200 years ago. This was fascinating as it showed the real Beijing and how people would have lived: the narrow streets criss-cross, with many secret entrances.

During our time at the school, they organised many excursions for us. The first place we visited was the Summer Palace. This is where the 'Dragon Lady' and her son, the 'Young Emperor' lived during the Quin dynasty. Within the walls of the palace, there is a beautiful lake, with the backdrop of an impressive mountain and Buddhist temple. The Summer Palace also holds a world record for the longest enclosed tunnel; this amazed me because every pillar and even the roof had intricate and detailed hand paintings - each by a different artist.

Undoubtedly, the most impressive

Miss Greet, Connor W, Kerri G and Alexandria G enjoying the cultural capital of China: Beijing



landmark was the Great Wall of China. The sprawling mountains and wildness of nature are dominated by this architectural feat. On the day that we visited the Great Wall, there wasn't a cloud in the sky. This, along with there not being many people on the wall, allowed for us to have the time of our lives. This allowed me to take some of the most amazing photos and was the highlight of my time in China.

FOOD, GLORIOUS FOOD: *written by Kerri G*

Throughout the trip, as a collective, we experienced a range of different Chinese cuisine from all corners of China. From traditional hot pot to the classic Beijing duck - the range of food that we tried varied in taste, colour and consistency. At times, this resulted in some dislikes - but, overwhelmingly, many, many likes. Overall, we were immersed in many different styles of restaurants and had many round tables with the spinning centre, where we all shared many little dishes such as, Kung pow chicken, peking duck, steamed vegetables, noodles, baozi and

dumplings, which were all delicious. In Chinese culture, food is a way to get together and celebrate friendship - so our experience of a range of delicious delicacies mirrored our experience of wonderful friendships.

TIME TO REFLECT:
written by Alexandria G

Overall, I think our experience of the Chinese exchange has been a perfect encapsulation of what CSIA's extensive International Programme is all about. We have made friendships that we will treasure forever with people from the other side of the world; we have proved ourselves as independent, strong young people (each tackling unique hurdles over the fortnight we've been away) and ultimately our eyes have been opened to the importance of travelling and learning about different cultures.

This trip to China has shown us the importance of knowing that no matter where you travel in the world, people are still people. Every welcoming Chinese student that we were perhaps

anxious to meet is now an international friend for life, something that through the course of our involvement with the international programme itself has been proved to be of the highest importance, and something that we know will become even more so in later life.



A visit to the incredible Summer Palace of the Emperor



Student integration is an integral part of our international trips



International relations: Students from CSIA and The Experimental School of Beihang University visit the Great Wall of China

In September I ran the Truro Half Marathon. I had forgotten how many hills there are in Cornwall compared to London. Whenever I take part in a race or a sport, I always have a voice that seems to be just behind me. It is the voice of a former athletics coach who would always say; "Is that all you've got Anthony! Move!"

At the time I thought she was rather harsh. Although, at times, it did give me the support I needed. In the Truro Half, there is a very steep hill, I saw other people walking so I thought I would, then, that voice in my head said, "Anthony! Move!"

In life we all need support, whether

it is from friends, or from family. Sometimes we may just need a smile, or a hug, or thumbs up. Other times we may need a shoulder to cry on, or someone to laugh with. In life one of the most courageous things we can do is ask for help. Asking for help is a sign of strength not weakness. As a Christian I am constantly asking God for help when I pray. I must admit before any race I ask him for help and if Arsenal are losing at half time, I ask him for help.

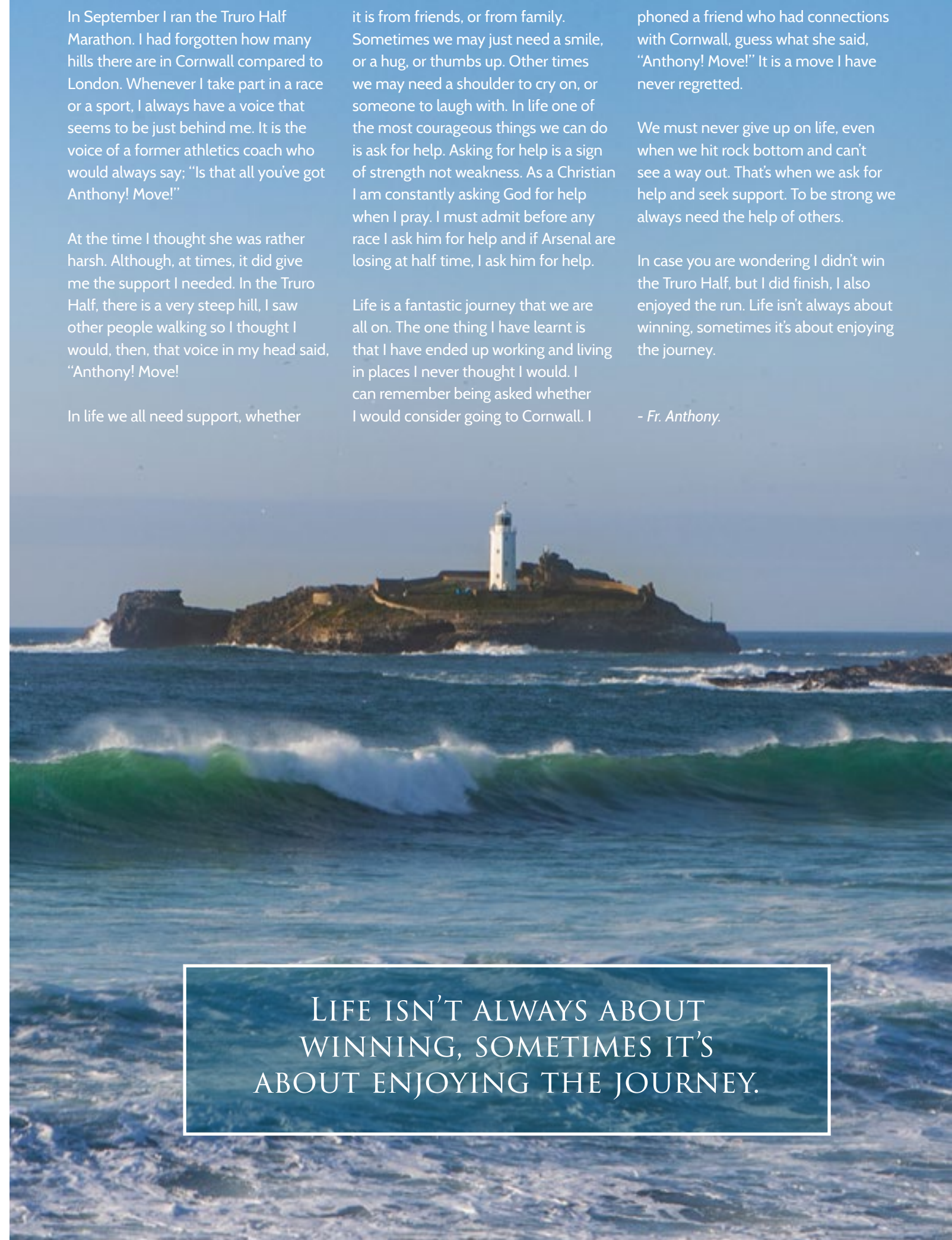
Life is a fantastic journey that we are all on. The one thing I have learnt is that I have ended up working and living in places I never thought I would. I can remember being asked whether I would consider going to Cornwall. I

phoned a friend who had connections with Cornwall, guess what she said, "Anthony! Move!" It is a move I have never regretted.

We must never give up on life, even when we hit rock bottom and can't see a way out. That's when we ask for help and seek support. To be strong we always need the help of others.

In case you are wondering I didn't win the Truro Half, but I did finish, I also enjoyed the run. Life isn't always about winning, sometimes it's about enjoying the journey.

- Fr. Anthony.



LIFE ISN'T ALWAYS ABOUT WINNING, SOMETIMES IT'S ABOUT ENJOYING THE JOURNEY.

Korean Spirit and Culture in Busan

After a twenty-four hour journey, over 5,910 miles, the students were welcomed at KSA with open arms to the Korean Science Academy in Busan, South Korea.

Many of the friendships that were established during the previous exchange in June at Camborne were rekindled, and the students settled in for an exciting ten days ahead.

There were many academic highlights throughout the trip; students took part in lectures and lessons and experienced a full student's timetable throughout their time at the Academy. Our students also took part in a research exchange session that included students from KSA, as well as students from Hong Kong, where some amazing

presentations were conducted and a higher level of understanding about the Physics behind levitation was discovered.

One of the key foci of this exchange was to learn about the culture of this wonderful country. CSIA students took part in sessions on Korean spirit and culture, where they dressed in Korean National Costumes and by the end of the session understood why the Koreans have such respect for their elders.

CSIA students, took part in a traditional New Year's Eve bowing ceremony, and also learnt how to play the Korean drums, as well as the Saxophone during several music sessions at the school.

Students also visited the Science Museum and the Sea Life centre in Busan, where the students experienced

Artificial Intelligence first hand through a display of Robot dancing to Gangnam style, as well as how the Koreans have developed new technology in regard to road safety. Students spent an amazing homestay for the weekend, where they stayed in the homes of their Korean buddies and friends and experienced a more localised version of the city of Busan.

Our students have tried many different types of food and have realised that allowing yourself to try new things means that you will always be open to new experiences and the ways of life of people from other parts of our Globe.

It has been a privilege to escort these students on their journey to Korea and I hope that many of the students and staff that we have met over the ten day experience will be friends for life.



Students from KSA, CSIA and GT College, Hong Kong



Cultural trip to Haeundae Beach, Busan, South Korea



CSIA being greeted by Principal Chung on arrival in Busan, South Korea



CSIA students dressed in Korean National Dress



CSIA students enjoying an afternoon at the Sea Life Centre in Busan



Miss Finn and Mrs Lyddon discovering the views of Busan from up high



The traditional Cultural village of Gamcheon in the sunshine



CSIA involved in formal discussion and debate with Dr Chung of KSA

CSIA International Programme: Mahidol Wittayanusorn School

On November 21st, nine CSIA students departed on a long, twenty-four hour journey to Mahidol Wittayanusorn School (MWITS) in North Western Bangkok.

The purpose of this trip was twofold: firstly, for our students to experience high-level maths and science lessons alongside some of Asia's most gifted young intellectuals; secondly, to educate them in a different culture.

MWITS is the first specialised science school to be founded in Thailand, homing 240 talented scientists and mathematicians. The school's accomplishments are many: since 2004 the school has won 64 medals at the international Olympiad for science, with four honourable mentions; its students graduate to multiple world-renowned institutions such as Oxford, Cambridge, Harvard and Tokyo; multiple students have gone on to earn scholarships from other countries such as Russia, China, India and Australia. Needless to say, our students were

very excited to experience their science lessons.

We attended three science lessons: biology, physics and chemistry. Our students' favourite lesson was clearly chemistry. The class was split into two sessions. The first session was with this year's winner of the Olympiad for chemistry and the second was taken by one of our host students, Turbo, who, to the school's knowledge, is the inventor of the experiment we took part in. Emily, a student in Year 10 said that 'the lesson was fascinating and engaging' and Ciara, a student from Year 10 said, 'we learned a lot from Turbo, he was a brilliant teacher'.

As part of the International Programme students stay with host families and spend time experiencing a different culture. Whilst in Thailand students explored Ayutthaya (Thailand's ancient capital), floating markets, historical museums, and lotus farms. Needless to say, the students were blown away by the culture of Thailand, so much so that some students talked incessantly about their desire to work abroad in the future.

Mackenzie, a student from Year 10, stated that 'the range of foods that the students allowed us to try was brilliant, even the fish!' And finally, Jacob, a student from Year 10 commented on the 'beautiful country', 'I really want to go back one day.'

I'd like to finish by thanking MWITS on behalf of myself and the students. When you visit us later this year we hope to replicate the kindness shown, time spent, and effort is given to ensure that our experience in Thailand was as positive as it could be.



CSIA Students at the Royale Palace



CSIA students and their buddies. Centre is the Headmaster of MWITS alongside CSIA staff



CSIA students and buddies at the temple in Ayutthaya



Abbie taking a MWITS English class



Traditional Thai Art Class



Getting active! Trying our hand at Thai Boxing



CSIA students at the MWITS welcome ceremony

Cornwall Schools Show Jumping Competition

On Sunday 11th November 2018 CSIA entered three teams in the Novice competition at the Cornwall Schools' Show Jumping competition at Pendarves Equestrian Centre run by the Western Hunt Pony Club.

Teams of four from schools across Cornwall entered, jumping two rounds with the second round being against the clock for placings.

The teams consisted of Georgia T, Elle S, Tiffany D, Erin J, Thomas P, Caitlyn L, Rhianna R, Shannon W, Matthia W, Sophie L and Mia M, with helpers Alleah A and Kelsey H.

It was a great day that led to fantastic results. Camborne Red Arrows: Georgia T, Elle, Erin and Shannon gained 1st place in the tack and turn out competition and 2nd in the jumping competition, just beaten by time in the jump off. Camborne Red Devils gained 3rd place in the tack and turnout and Camborne Red Barons gained 6th.

All of the girls rode fantastically taking forward low scores in both rounds. Georgia, Elle, Erin, Tiffany and Shannon all finished with 0 faults after their two rounds and after a tense timed round the Red Arrows were 2nd overall and Erin and Tiffany both gained 3rd place individually in their sections.



NOVICE TEAMS

- 1 REDRUTH
- 2 CAMBORNE RED ARROWS
- 3 HELSTON COMMUNITY COLLEGE
- 4 PENRYN COLLEGE 2
- 5 NEWQUAY TRETHERRAS 2
- 6 HAYLE ACADEMY

INDIVIDUALS 70-75

- 1 LUCY J (Redruth)
- 2 ARWEN S (Redruth)
- 3 ERIN J (Camborne Red Barons)
- 4 LUCY J (Redruth)
- 5 ERIN J (Camborne Red Barons)
- 6 CHLOE T (Newquay Trettherras 1)

INDIVIDUALS 60-65

- 1 FREYA H (Richard Lander - Lander Racers)
- 2 MAYA W (Richard Lander - Lander Titanium)
- 3 TIFFANY D (Camborne Red Barons)
- 4 MADDIE N (Helston Flyers)
- 5 JENNA E (Brannel Baggies)
- 6 HANNAH M (Richard Lander - Lander Sevens)

BEST PRESENTED NOVICE TEAMS

- 1 CAMBORNE RED ARROWS
- 2 HELSTON FLYERS
- 3 CAMBORNE RED DEVILS
- 4 HAYLE ACADEMY
- 5 RICHARD LANDER - LANDER TITANIUM
- 6 CAMBORNE RED BARONS



CSIA Community Sport Sessions

Year 10 and 11 students have had opportunities to take part in a series of taster activities with local community sports and activity providers to encourage them to engage with the local clubs in the area and increase their levels of physical activity.

Students attended Spinning classes at Borne Fit and Judo coaching workshops with Francis Sanderson of Hayle Judo Club. All students were extremely positive about the opportunities and were really excited to try something new.

Asia Pacific Conference for Young Scientists

In December, CSIA were invited to take part in the 7th Asia Pacific Conference for Young Scientists (APCYS) and 2nd Invitational Science Fair (ISF) hosted by Kamnoetvidya Science Academy (KVIS) Thailand.

KVIS is a full boarding School that offers a specialised STEM curriculum for high ability students on three-year scholarship programmes. It is situated within a Research and Education Park, comprising of VISTEC Research University and the Wang Chan Forest project.

Two students from CSMS (Alfie Baker and Sarah Pengelly) were selected to attend this prestigious event and were required to complete a research project that would be presented during the

conference to a series of professors, external specialists and peers. As part of the CSMS programme and in collaboration with Dr Gower, the students have been researching glacial melt across both the Antarctic and Greenland in partnership with IRIS. Their project involved monitoring iceberg calving using synthetic-aperture radar and tracking these results in order to predict future events and glacial movement.

The aim of the conference was to promote an atmosphere of scientific research exchange among students from schools around the world. The conference included an opening keynote lecture by prominent physicist Teepanis Chachiyo, who inspired the students with his exciting progress in the field. The student teams then undertook their poster presentations and oral presentations, before participating in a series of scientific workshops and many cultural activities.

These provided opportunities to collaborate with international peers and develop future links with students from many different Schools and Countries.

Students were also able to experience traditional Thai food, arts, Muay Thai boxing and performances, as well as visits to The Grand Palace in Bangkok, the Rattanakosin museum, Buddhist temples and the Sea Turtle conservation centre.

This was a fantastic opportunity for students to collaborate with others and experience different cultures that offers so many benefits to both the students as individuals and their work. At the end of the conference, awards were presented to teams for both oral and poster presentations. The CSIA team were awarded best poster presentation and Bronze medal for their oral presentation in the category of environmental science which is a fantastic achievement.



Traditional Thai architecture at the Grand Palace



The trip included excursions to the Grand Palace in Bangkok as well as many temples



Participating in traditional Thai Dancing at the Thai Thani Cultural Village



Alfie with his medal for the team's poster presentation



Getting up close to Thai elephants at Thai Thani



Having a go at Muay Thai Boxing at KVIS



Tasting traditional Thai Food



Sarah having a go at Thai arts and crafts



Alfie and Sarah presenting their research to a panel of expert judges

PRESENTATION EVENING 2018

Young Achievers Earn a Place in the Spotlight

Camborne celebrated the success and talents of its A-Level and GCSE students at its annual Presentation Evening on Tuesday 18th December 2018 where nearly 400 guests, students, teachers and parents were in attendance.

"The evening was a very enjoyable and memorable occasion where awards were presented for A-Level and GCSE performance in the full range of subjects and for best overall performance" commented Emma Haase, Vice Principal at CSIA.

The Richard Bath Trophy for Outstanding Academic Achievement at A-Level was presented to Conor B and the Penventon Shield for the GCSE Student of the Year was presented to

Bethany Fenn.

"There were also awards for the Sixth Form Head Boy/Head Girl and Deputies from last year and Cameron H, Martha R, Kathryn W and Laura W, were all thanked for their contribution to the success of the VI Form that went far beyond the expected!" commented Mrs Haase.

The Stone Computer Award was presented to Aaron R for his original

solutions and flair in computing. The CSIA Outdoor Education Award was presented to Matthew B for leading a successful Ten Tors and D of E Gold team with "maturity, enthusiasm and modesty".

This year, awards were presented by Mrs Nicki Burgess, Governor, Mr Tim Johns, Governor, Mrs Trish Knights, Governor, Mr David Pascoe owner

of the Penventon Hotel and Mr Ian Kenworthy, Principal of CSIA.

Eloise G, accompanied by Aaron T and Callum W entertained all present with their exceptional musical performances of Jar of Hearts by Christine Perry and Minuet & Badinerie by Bach.

Mr Ian Kenworthy, Principal, in his address spoke of his pride and privilege

at leading such an outstanding school. He congratulated the students on their "excellent" summer examination results both at A Level and at GCSE. He was "particularly proud of Camborne Science and International Academy maintaining its position as one of the highest performing schools in Cornwall."



Matt B



Bonita M



Ben L



Aaron R



Betty C



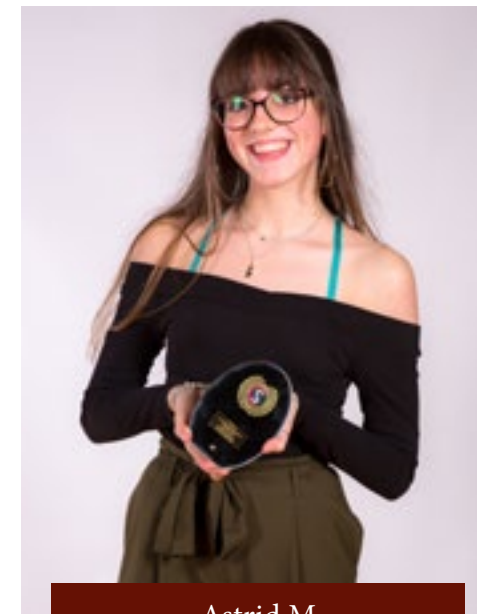
Jenna M M



Kelsey M



Laura W



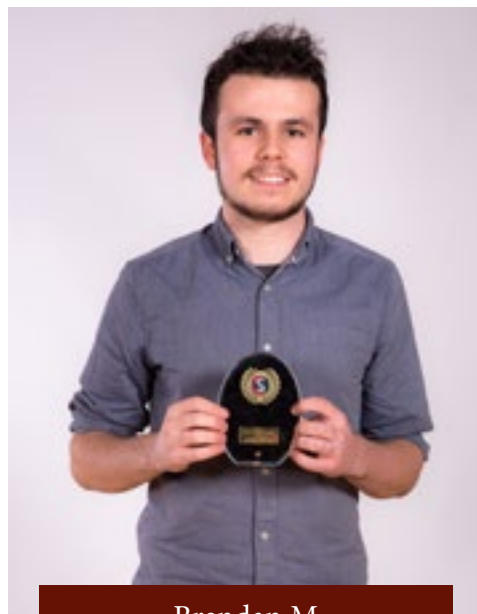
Astrid M



Amelia K



Martha R



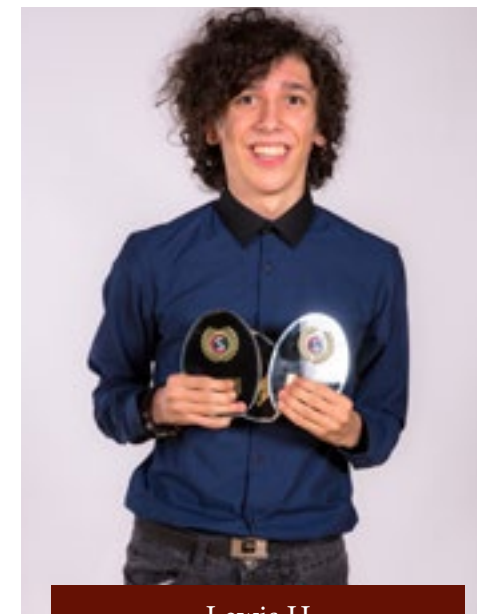
Brendan M



Finlay V



Matthew T



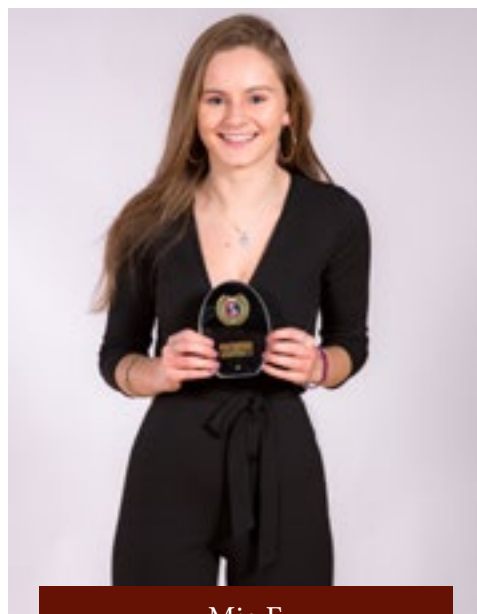
Lewis H



Leah P



Jessica C



Mia F



Jodie G S



Alexandra G



Jessica J



Rory D

Christmas Chemical Mix-up at Super Saturday

It was a Super Saturday at Nexus just before Christmas, with a class full of Year 5 students enjoying a chemistry workshop.

A naughty elf had mixed up Mrs Claus' cookie mixes and the children had to sort them out, as Santa can't leave on Christmas Eve without first having his special Christmas biscuits.

The investigation involved firstly achieving the coveted Bunsen burner licence, then testing five different white powders using flame tests, iodine, Benedicts' solution and acetic acid.



Cornish Schools' Maths Olympiad at Nexus

Nexus and CSIA are excited to announce the launch of the Cornish Schools' Maths Olympiad.

This event is for Year 5 and 6 pupils and was held at Nexus this January.

The event was a one day celebration of Mathematics that included workshops, talks and an exciting competition. The ultimate aim of the Olympiad was to provide a competitive and exciting environment for the young mathematicians of Cornwall to share their love of the subject.

The competition itself took place in the afternoon having been preceded by talks from Nexus' passionate and enthusiastic team and workshops run by some of CSIA's fantastic Mathematics department. Here's an example of the sort of question the children will be solving.



The Olympiad offered a unique opportunity for those young Mathematicians with a passion for challenge and discovery to take on teams from across the county in competitive mathematics but also the forum and environment to discuss, explore and learn about this amazing subject.

The talks and workshops gave the students insight into the wonderful world of number, mathematical research and some of Mathematics' most famous problems.

This event was open to schools from across the county and Headteachers of Primary schools have been sent information regarding applications and registration; teams of 4 students from Years 5 and 6 are being invited to apply.

"The children of Cornwall are exceptionally talented. We want to harness and celebrate that talent. This was a fantastic opportunity for those students who are most passionate about mathematics to come together in a celebration and engage in some friendly and competitive challenges" said Dr Foster, Director of Nexus and CSMS.



Inspirational Academic Lecture Series at CSMS

Students from CSIA and all over Cornwall have been treated to an enormous variety of inspirational and fascinating lectures.

University of Exeter. The lecture explored the way that objects and animals appear in different colours, and then how some amazing animals achieve their iridescent colours.

We were also privileged to welcome



Students glowing in UV light

Professor Roberts was extremely impressed by our students who were able to read and translate some of his sentences in Mandarin and Japanese! Professor Champneys visited from Bristol University's faculty of Engineering Mathematics to deliver an engaging lecture entitled "Shake, Rattle and Slide".

His talk was based around the understanding of how complicated dynamics (e.g. chaos) in physical systems governed by ordinary or partial differential equations can be used to model some very interesting real-life engineering problems such as why does a tennis ball bounce so high when dropped touching a basketball? The lecture series is available to any student in Years 7-11 in Cornwall. To book your place email reception@csms.co.uk.



Professor Ian Roberts, University of Cambridge

The lectures take place on Monday afternoons at Cornwall School of Maths and Science, CSIA's flagship specialist provision for the most able in Maths and Science.

Professor Ian Roberts, a Professor of Linguistics from the University of Cambridge. His lecture on 'How to Build a Language' enthralled students from Year 7 to VI Form.

Dr Richenda Tisdale delivered the first academic lecture of the year. Dr Tisdale is a former eye surgeon who now works as a medico-legal advisor for the Medical Protection Society.

The lecture covered the fundamental principles of medical ethics, from the right of a patient to choose what happens to them to the rights that give Doctors the ability to prescribe medication with known side-effects. Her lecture was particularly relevant for the many students who we have applying to Medical School this year. This term we have also welcomed Professor Pete Vukusic from the



Professor Champneys

Camborne boys set to represent Cornwall

CSIA students have taken part in Football trials for various West Cornwall representative teams.

The selection process was very competitive, with players having to trial over a number of days and matches. The players chosen from CSIA are Liam W, Greg E, Max M and Luke G. Their first match playing for West Cornwall was against the Plymouth Argyle Under 13s team.

Max said that "He found the trials intense and nerve-racking but exciting at the same time," he said. "He enjoyed playing with new players and is looking forward to representing Cornwall!"

Zak B, Cameron M and Greg E will be part of Under 14 West Cornwall Squad. They are currently training and playing friendly matches to prepare for the Millfield Invitational Tournament held during Easter.

The West Cornwall Under 15's Team was selected after a number of trials and an additional assessment evening. Year 10 student Ciran B has been selected for this team and will compete in the Worrall Shield competition where they will play against the best teams in the South West.



Max M (Year 8), Greg E (Year 8), Zac B (Year 9) & Camron M (Year 9)



Luke G (Year 8), Ciran B (Year 10) & Liam W (Year 8)

Busy Workshops At CSMS Open Morning

Our Open Morning was well attended by Year 11 students from across Cornwall looking for something special for their A-Level studies.

The morning began with tea and coffee and an opportunity to talk to current staff and students of CSMS.

Mr Chapman, the Deputy Director of CSMS, then gave a short presentation

to the students and their parents about the exceptional opportunities available to students of CSMS before the Year 11s went off to experience some A Level taster workshops in maths, biology, chemistry, physics and computer science. Their parents meanwhile were given the opportunity to have a tour of the campus by current CSMS students.

We are currently looking for hard working, driven and motivated students to join our cohort. If you have a passion for STEM and want to study your A-Levels in the top-rated provider of

STEM A-Levels in Cornwall then you should consider Cornwall School of Maths and Science.

If you missed out on our Open Morning then you can arrange an individual tour of CSMS and the VI Form Academy by emailing reception@csms.co.uk.



Nexus Year 7 Showcase a Huge Success

The annual Nexus 7 Christmas Showcase was a rip-roaring success with students from both the PPE and STEM Programmes coming together to present some of the amazing things they have learnt about this year.

We had presentations on topics as diverse as the Nexus Greenpower car to the unpredictability of earthquakes from Nexus STEM students while the Nexus PPE students presented on topics such as the poetry of World War One and the importance of stories to the development of human culture.

The students have worked exceptionally hard this term: settling into a new school, making new friends, finding their way around two campuses, and getting to grips with secondary school subjects. On top of this they, have thrown themselves into the Nexus Co-curricular programme with activities ranging from Mandarin to 3D Printing, and from

Drone Programming to Bookworms (our reading club).

The students have been rehearsing for their presentations for the last couple of weeks and the standard of presentation

skills was exceptional. We are so proud of our students for their achievements and the Showcase was a perfect way to round off an amazing term for these brilliant young people.



THE CSIA HOUSE LEADERS 2018/19

Abenaki



Aztec



Masai



Maori



Bonding Over Science - CSIA take part in the Japan Super Science Fair

In November, seven Key Stage 4 students attended the Japan Super Science Fair to deliver a Research Presentation and Poster Presentation to students from across the globe.

presentation, students answered questions about their research and ideas for the future. It was an incredibly busy stand and quite evident that the other schools share our concerns for the environment.

As well as presenting, students took part in a range of science lessons

During the Science Fair, students also had the opportunity to present a performing arts piece in the Cultural Performance show. This was an excellent opportunity to learn about different cultures and showcase our creative talents.

Peter Ashley, Year 10, said "We performed to a range of iconic British songs including The Spice Girls, Wannabe and One Direction, What Makes You Beautiful. But the easily recognisable 'Stomp, Stomp, Clap' of We will Rock You by Queen really got the audience involved. In true British fashion, we ended with a party classic: The Hokey Cokey. Everyone loved it. It was so much fun to show off what we love and to see everyone else having a fantastic time!"

Nikita, Year 10, added "Meeting everyone has been one of the best experiences of my life. I feel like I have made so many friends. I will never forget the memories that I have made and I hope that I can travel the world in the future to see them all again."

Assistant Principal at CSIA, Rachel Trevarthen, added "It is exciting to see students from across the world come together through their love of learning. The message of JSSF was strong: together we can change the world. Through the JSSF, our students have started to create networks and friendships that will inspire them to go on and achieve excellent futures."

held by teachers from across the world. Working with their global peers, students developed new skills whilst making new friends. Even the teachers were able to collaborate with colleagues from across the globe and Miss Cantwell (Leading Practitioner in Science) presented exciting approaches to teaching and learning that inspired all!

Alice Bray, Year 10, said "Getting the chance to visit Japan was an amazing experience for many reasons, we had the chance to further our scientific interests whilst getting the chance to see some of the best parts of Japan and meet people of different cultures from all over the world. Meeting these people made my experience so much more enjoyable in many ways."



Jacob with team members from Japan winning 2nd place in the robot-coding competition

The event was attended by students from 29 different countries including Canada, Korea, India and Iran.

Inspired by the increasing global awareness of plastic pollution, students from CSIA sought to help use their scientific knowledge to help find a potential solution to the ever growing environmental problem. During the course of their research, students investigated the different types of plastics and the frequencies that they could be found on our Cornish coastlines. The students then worked together to create solid bricks out of waste plastic, with the idea that these could be used to create future buildings. During the event, students presented their findings to other students and during the poster



Sight-seeing trip to Fushimi-Inari Taisha shrine



Students took part in a traditional Japanese sweet-making workshop



Students representing CSIA during the Poster Presentations at the JSSF

Artist of the term

Alice A was awarded Artist of the Term before the Christmas holiday. Alice thoroughly deserves the award due to her continued effort and attitude to her studies in Art & Design. Alice has shown great care and attention to detail with all of her artwork. She should be commended for the excellent pieces of homework she has created so far this year. Well done Alice, keep up the creative work!



ESSA Secondary Team National Championships

In September, CSIA competed in the ESSA Secondary Team National Championships held at Millfield School.

Each team competed in two events the 200m freestyle and the 200m medley relay. Camborne entered the intermediate and senior girls competitions and intermediate boys competition.

The students competing in the Intermediate age group were Alice F Senara R, Ellie D, Abé K, James B, Jack G and Alfie B. In the Senior age group were Kerenza M, Mia R, Caja R and Kiera G.

Overall, the intermediate boys group swam with great determination to gain 8th in both the freestyle relay and the medley relay heats. The girls also achieved 8th in both relays showing true resilience in the water. The senior girls team fought off some extremely fast competition to secure 4th place in the freestyle relay and 5th in the medley relay heats.

"Today was really fun and entertaining, we were able to meet new people and see old friends as we competed today. The atmosphere in the pool was so good you felt confident to compete and do your best." - Kerenza M



Barncoose Kindness Project

Tutor groups across Years 7-11 are participating in a number of kindness projects this year.

As part of this, the academy has established a close rapport with Camborne Redruth Community Hospital. In the autumn term, students chose to support the hospital by arranging cards and gifts for patients on the Stroke Ward.

Every Wednesday evening, students and teachers visit the patients. They spend time reading out the cards to them and helping them to unwrap their gifts. They talk to one another and briefly have an opportunity to learn from one other. Our students are showing the patients that in their time of need, they are thinking of them.

Patients have been extremely appreciative of the students' kindness and have shed a tear when learning that young people care about them. Students often meet the families of the patients as well. They have been equally touched by the kindness shown and have written cards of appreciation to the students.



This project will continue all year and more links will be developed. One additional project has already taken place. The Year 8 choir performed for the patients during the Christmas period.

The students spent time practising a number of songs in the weeks prior to visiting the hospital and then spent over an hour with the patients singing to them and meeting them. It was a highly appreciated event for all involved.

The staff on the ward have been extremely grateful for the kindness of our students. Dr Sidi Henanouche has

observed that the patients are more motivated to get better as a result of our projects. The patients talk about our students' gifts and show each other their cards. They look forward to our weekly visit. The ward is a more positive place for all involved. He would like to thank all students for their contribution and for understanding that everyone needs kindness and love.

Time and time again, Camborne students show how inspirational they are. In this project, students are excelling and are showing that they understand the importance of community.



VI Form Scholarship to The Dominican Republic

Written by Ellie B

At the beginning of Year 12, I decided to pursue a career in a medical field, especially in paramedic science.

After VI Form I plan to study at university and then take my skills into the armed forces. Medicine is a very competitive field and I wanted to enhance my application with front line work experience and I also wanted to see if I had the stomach for trauma and disaster relief!

I applied to the VI Form for financial support to enable me to secure a GapMedic placement in the Dominican Republic. My application was successful

and I spent a fantastic, eye-opening, and inspiring time in the largest trauma hospital in Dominica. Public healthcare in the Dominican Republic is nothing like the NHS and I was staggered by the creativity of the staff and the skills demonstrated by the surgeons – including using old shampoo bottles for the storage of medicine and using DIY drills instead of surgical ones.

Whilst on my placement I joined the Global Health Conference. I was especially fortunate because the member of staff leading the conference also shared my accommodation. I found out about the impact of politics on the medical system and the tough working practices. I witnessed my mentor work four shifts in a row and

still be able to stitch a radial nerve back together; the hospital was only funded 2% of the 11% the government were supposed to provide; and there was an approximate 70% post-operation infection rates – all of which was a little daunting.

My placement was mainly in orthopaedic trauma, although I also spent a few days in paediatric trauma. I learnt that I can cope with the challenges of front line medical care having seen the effects of motorcycle crashes, machete wounds, and surgeries to remove brain tumours and amputations. I was given the incredible opportunity to scrub in with surgeons and assist them - on a tibia fracture repair, and later to sterilise



All scrubbed up!



Seeing the sights in my time away from the hospital

a motorcycle patient with an abdomen wound. It allowed to have an intense insight into the work I want to get involved in and the mentor I had was incredible – he loved teaching and always gave us the time to explain. I did not expect to have such a broad learning opportunity and it was brilliant to be able to link my school education in Biology and Health and Social Care to real life circumstances.

The cultural enrichment and extracurricular opportunities were also incredible. I went into the city and saw a different way of life and went to attractions like tropical waterfalls and Saona Island. I also visited an orphanage, bringing gifts for the kids and playing sports games with them, which was very wholesome although a little sad.

The trip was more than I could have asked for. I feel like it has increased my desire to pursue my career in healthcare especially now that I have felt the adrenaline rush of the emergency department. I would not have been able to do this trip without the CSIA VI Form scholarship which helped fund my flights whilst my fundraising and part-time job paid for the experience. I made some lifelong friends and, in fact, recently went to visit one in London and another will be coming over from Canada next year.



Me and my new colleagues



Practicing my suture stitching skills



The Academy VI Form Winter Ball

The Gwel an Mor, Portreath, put on a warm welcome greeting VI Formers with cocktails in the yurt before dinner and dancing commenced in the beautifully decorated main hall.

The formal three course meal was a triumph from starters to main course to dessert. A formal vote of thanks was made, by the Student Leadership Team, to the teaching and student communities for the friendships that have been made and the support that has been given from one and all.

With tables cleared to make way for the dance floor the venue rocked to a cacophony of music, dancing, laughter, and conversation whilst students enjoyed the DJ set, the photo booth, and the time to relax.

Mr Ross, the Director of the VI Form, said “one of the reasons the VI Form is so successful is the sense of community which is vibrant, friendly, and focused.” Mrs Belshaw, the Vice Principal with VI Form responsibility, said “it is wonderful to see the sense of community that supports students as they strive to achieve their many exciting dreams”.



Introducing The Student Parliament 2019

The Members of the Student Parliament 2019 have been selected! Key Stage 4 students have recently had the opportunity to apply for the Student Parliament.

Students underwent a rigorous application process including an interview to show their enthusiasm

and commitment to the position. The successful applicants confidently soared through the process and embodied the school values of ambition, resilience and altruism and integrity.

The Student Parliament will lead and contribute towards a variety of projects, including; supporting their peers to complete the CSIA Learning Journey, launching the school’s first Mindfulness

Programme and working alongside Senior Managers to reflect on Teaching and Learning within the school.

Their contribution to the school will be significant this year and we are very grateful for their willingness and motivation to participate in this very important aspect of our school. Congratulations to all involved. Students should be very proud of their achievement.





Camborne Science & International Academy is hosting another programme of inspirational Super Saturday Workshops for Gifted and Talented Year 5 & 6 students from our partner primary schools.

2019 Dates

2nd March

PE: Rock Climbing and Indoor Athletics

16th March

The Small Science: Microbiology and Microscopy!

30th March

English – The Detective's Tales



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



**CAMBORNE SCIENCE
& INTERNATIONAL ACADEMY**

