

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

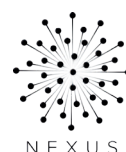
*Learning to be Extraordinary*



CSIA Ten Tors teams at 6am on Saturday 11 May, prior to their successful 35/55 mile courses



CAMBORNE SCIENCE  
& INTERNATIONAL ACADEMY



CSMS



# COMMUNITY NEWSLETTER

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# CSIA's Ten Tors Team Make History

**The annual Ten Tors Challenge took place on May 11th and 12th this year with around 2,400 young people attempting to complete routes of 35, 45 or 55 miles.**

This year, CSIA fielded a 35 and 55 miles team with the latter being the first of this distance the school had entered.

"It takes a long time to train teams for this challenge as their knowledge of the moors, navigational ability and

fitness needs to be of a very high standard. Once they set off, they are on their own for 2 days and receive no help or communication from staff," commented Mr Douglas, Director of Outdoor Education at CSIA and Ten Tors team manager. "If something goes wrong like injuries or getting lost, they have to decide as a team what to do and how to proceed – it is this element that makes the challenge so valuable for young people."

Teams have to be totally self-sufficient for the duration of the event, carrying all equipment and navigating with

a map and compass. The terrain on Dartmoor is challenging and teams must keep a close eye on their watch as the course must be completed before 5pm on Day 2.

"With conditions favourable on Day 1, the teams made excellent progress. Walking far quicker than anticipated, the 35-mile team made it all the way to their 8th checkpoint – the furthest allowed on Day 1," commented Mr Douglas. "The 55-mile team also had an outstanding day covering around 37 miles and camping for the night just before their 7th checkpoint."



First CSIA team to complete the 55 mile Ten Tors Challenge. Aaron T, Peter D, Joe E and Taylor S



On Day 2, the 35-mile team continued their impressive progress and crossed the finish line at 11.06am – the earliest finish ever for a team from CSIA.

“Delighted family and staff cheered them over the line along with crowds of hundreds who had come to see teams finish this gruelling event!” said Mr Douglas.

The 55-mile team struggled on Day 2 and were forced to drop 2 slower team members at a check-point in the hope that the remaining 4 could speed up to finish in time. The team came into

view a few minutes before the finish line closed but hope was lost when with 400m to go time ran out.

“The disappointment was short lived as the team announced that due to a 40-minute checkpoint delay earlier in the day, they had been awarded this extra time to complete the challenge. To rapturous applause and celebrations, they crossed the line at 17.09pm – the final team this year to officially complete the challenge!” said Mr Douglas.

“I am incredibly proud of both teams this year, but what the 55-mile team achieved was very special. Many teams taking on this longer event are large independent schools and Scout/CCF groups with big reputations at Ten Tors. For CSIA to go out there and perform at this level shows the resolve and ambition of these students. Ten Tors is always a highlight of the year for me and the Outdoor Education team at CSIA, but with both teams breaking records this year it was even more special,” added Mr Douglas.







Harry J giving a team talk before the start of Ten Tors



55 mile team crossing the finish line





35 mile team approaching the finish line



Large crowds at the finishing area



# Youth Speaks Success for CSIA

**Our students have been proving that the next generation have plenty to say about pressing issues in today's society and have been wowing Rotary Judges with their fervent calls to make changes in society.**

The Youth Speaks school competition took place on Tuesday 29th January with 36 accomplished speakers in Years 7 through to 9. The speeches were well-crafted and we heard a diverse range of highly engaging topics such as the Problems with Plastics and a passionate call to reduce animal products in our diet and consider 'Veganuary'.

It was clear that CSIA students had embraced the mission of Youth Speaks to publicly present and apply their voices as creators of societal change. Members of Redruth Rotary Club had the unenviable task of choosing two teams to go through and compete

with local schools in the area. The Throwaway Fashion team (Lily M – main speaker, Josie W – chair and Isla R – vote of thanks) and The Footprints team (Arina W – main speaker, Bou B – chair and Ellen S – vote of thanks) were announced as the winners.

On Tuesday 5th March, CSIA, were delighted to host the area competition with our two hopeful teams taking part. A total of ten teams took part in the Intermediate Competition from seven different schools. The standard of the competition was incredibly high and the presentations were polished and persuasive. The subjects of the presentations felt current and relevant and it was clear that we were hearing from committed students who spoke with integrity and belief.

We were thrilled that one of the teams from CSIA made it through to the next round along with a team from Penair School. The Throwaway Fashion Team went on to compete at the District Competition held in Saltash. Their

fascinating and stimulating talk asked us to reconsider our flippant and trivial attitude towards clothing.

Our other team, Footprints, also produced a thoroughly engaging and impassioned presentation and narrowly missed an opportunity to compete in the district round. The team spoke about the concept of footprints and the need to reduce our impact on the world's environment. Special mention should go to Ellen S, who raced back from a toe operation to ensure she made it to the competition. In addition, Naomi P attended as a reserve and was on hand to stand in for Ellen if necessary. It was impressive to see such dedication to the process and to each other.

All the students who have taken part in Youth Speaks this year are to be highly commended. It was clear that we have a number of skilled orators within our school with the ability to voice their concerns and values.



Mr Kenworthy with Lily, Josie and Lyla



# Mock Trial Competition at Truro Magistrates' Court

**On Friday 8th March, students from Years 7, 8 and 9 took part in the Citizenship Foundation's Mock Trial competition at Truro Magistrates' Court.**

This competition gives students the opportunity to demonstrate and practise their skills in communication, evaluating evidence and making a persuasive argument. It also gives them

a unique insight into the courtroom experience and the opportunity to learn more about our legal system.

This time, the team narrowly missed out on the winning trophy but they all agreed it was an invaluable experience. Both the lead Magistrate and Deputy Lord Lieutenant described the students as a credit to the school and commented on how well the students expressed themselves, and performed, despite being much

younger than their competitors.

A special mention should go to Millie and Aaron who stepped in at the very last minute to new roles due to a team member's absence. They performed with confidence and coped extremely well in the situation. We received some very helpful feedback from the competition judges and the team are excited about entering again next year. We wish them luck!



The CSIA mock trial team



Live action! Here's the team performing in the court room at Truro Magistrate Court where the competition took place



# An Epic Icelandic Adventure

**Frozen waterfalls, geothermal pools, erupting geysers and active volcanoes – just some of the highlights of a once-in-a-lifetime, extraordinary experience.**

Forty-two GCSE and A Level Geography students enjoyed the four-day adventure, experiencing the best of what the country has to offer. “We wanted the students to experience

first-hand the excitement of an active tectonic landscape, ravaged by the wind, sea, rain and ice,” commented Rob Keddie, trip organiser and Geography Teacher at CSIA. “Iceland not only provides, a diverse and dramatic geographical landscape, providing a living classroom for our students to explore and enjoy, but allows the students to experience another culture and way of life in person.”

Harry said, “It was an incredible experience and really brought

geography to life.”

Held between 22nd and 27th of February, the group enjoyed an action-packed trip from start to finish. From visiting Pingvellir National Park – where students could walk between the separating American and Eurasian tectonic plates – to visiting a frozen waterfall used in the filming of Game of Thrones, we made memories to last a lifetime. A particular favourite with students was Gullfoss, a double tier, glaciated river with a massive waterfall and gorge at the bottom. It was bitterly cold but truly stunning.

The Sólheimajökull Glacier was incredible. The students were split into groups and the tour guides kitted them out with crampons, helmets and ice picks before climbing up the beautiful glacier! Sadly, the Sólheimajökull Glacier is melting at a rate of 20 metres a year due to global warming and it might not be there by 2050.

Another popular experience enjoyed by students was swimming under the stars in the out-door, geothermal pools. “Iceland is an amazing place and I loved every single minute there, especially swimming in the geothermal pool at night under the stars! It was so helpful to have real context to everything we have been learning about at school,” commented Lauren.

The group also enjoyed trips to Vík to see the black basalt columns, the beach of Reynisfjara, Hellisheiði Geothermal Power Plant, the infamous Eyjafjallajökull volcano and Reykjavik to explore Iceland’s capital city.

“Our students were impeccably behaved and a real credit to CSIA. It was definitely the best trip to Iceland we have run so far,” said Mr Keddie.



Caja, Matthew and Lauren bridge the North American and Eurasian plate boundary





Caja, Alex, Harry, Stanley, James, Dylan and Solly in Pingvellir National Park



Icelandic flag at daybreak in Pingvellir National Park



Viking boat sculpture and CSIA in the Bay of Reykjavík





CSIA students framed by Seilandafoss Waterfall





CSIA students before they climbed onto Sólheimajökull Glacier



William and Niamh at a frozen waterfall in Þingvellir National Park



# Euro Space Trip is out of this World

**Forty lucky Nexus students in Year 7 and 8 experienced the trip of a lifetime when they recently went for a four-day visit to the Euro Space Center in Belgium.**

The centre is a hub for space education and contains a host of equipment and resources used for astronaut and space exploration training.

walking on the Moon.

The Euro Space Center has its own multi-axis gyroscopic chair and rotating chair, both of which are important for helping astronauts to adjust to the extreme g-forces and disorientation they experience when being launched into space. The multi-axis gyroscopic chair was generally agreed to be not quite as bad as it looked, with all the students able to trace a simple shape onto paper despite being thrown in

of the team for a shuttle mission. Two students from each group were able to take on the roles of pilot and mission commander, taking the driving seat in the full-sized shuttle within the training facility. The rest of the group were all given crucial roles within the mission control and had to carry out their activities during a two hour mission to launch, put into orbit and then safely land the shuttle.

In addition to all these activities, the



Space shuttle flight simulator

Over the four days, the students were able to experience various aspects of astronaut training. The microgravity wall gave students the chance to experience the feeling of microgravity by counterbalancing their weight on the climbing wall. Many of the students took to the microgravity simulation like ducks to water, fixing the stricken satellite with ease. A moonwalk activity combined virtual reality with a 'weightless chair' which simulates

every direction as the chair rotated.

As part of the programme, the students built and launched their own rockets. These rockets were powered by solid rocket fuel and shot hundreds of feet into the air before descending on their own parachutes.

The absolute highlight of the trip for many of the students was being part

students also found time to take a torchlit tour of Bouillon Castle, visit the 4D cinema, take part in a snowman building competition and sample the delights of a Belgian chocolate shop. The Euro Space Center visit will become a regular part of the Nexus calendar, with the next trip scheduled for February 2020.





Team shot in front of a space shuttle



The multi-axis gyroscopic chair



Mission control



Experiencing the feeling of microgravity



# Ritsumeikan Global Summit 2019

In early February, five students from Year 9 (accompanied by Ms Noble and Mr Douglas) made the long journey from CSIA to Kyoto, Japan to take part in the 2019 Ritsumeikan Global Summit.

and even hi-tech heated toilet seats. As with any cultural exchange programme, food is always a hot topic of discussion. Home cooked meals and visits to local restaurants mean the students have no choice but to get fully immersed in delicious Japanese cuisine. "One of my favourite experiences was my host family taking me to a conveyor belt sushi restaurant. Although you get

The summit culminated with cultural exchange displays and cultural performances from each visiting country. With schools from Thailand, Kenya, Hawaii, Australia and Malaysia to name a few, the opportunities for cultural immersion were boundless. "I really enjoyed the cultural booths because we got to try lots of traditional crafts, games and foods which were



Mr Douglas, Daisy Georgiana, Emily, Max, James & Ms Noble

The summit is a cultural exchange programme where students from all over the world come together to share ideas and learn from different experiences. This year the summit had a strong focus on equality and the environment.

Part of the experience involved the students staying with a host family where they were immersed in an authentic experience of day-to-day life in a Japanese household. This home stay experience is really important and the small differences in day-to-day life are often the things that students find most interesting. Each morning the students arrived at school excited to share stories about new foods, customs

this style of restaurant in the UK, the endless range of sushi available was mind-blowing. We ate everything from raw blue fin tuna to squid tentacles and cod roe!" – James B.

The summit included visits to some of the most spectacular sights and attractions in Kyoto including The Golden Pavilion, Arashiyama bamboo forest and Fushimi Inari Shrine – a mountain walkway made up of around 3,000 bright orange shrines. Having a local student to guide them around meant CSIA students were able to take part in some activities usually reserved for locals, including the famous Tea Ceremony.

totally new to us. Along with learning about other cultures we were able to showcase Britain and have some fun wearing the Beefeater costume. One particular highlight was making a traditional Hawaiian wrist band made from a banana leaf." – Emily K

Daisy, Georgiana, Emily, Max and James are now looking forward to welcoming Japanese students from Ritsumeikan High School into a British household when they visit in April. This will be a fantastic opportunity to return the hospitality they received and showcase what a beautiful part of the world we live in.





Daisy, Emily and Georgiana and their hosts exploring the Fushimi Inari Shrine



Max, Emily, James, Daisy & Geogiana





Max & James giving a speech about the UK



The girls demonstrating their musical talents



Sightseeing at the Kinkaku-Ji Temple





Daisy, Emily and Georgiana making wrist bands out of banana leaves



Sightseeing at the Kinkaku-Ji Temple with Ms Noble



# Pendennis Shipyard Awards for Former CSIA VI Form Students

**About three quarters of the students who attend the VI Form progress to university with the majority of the remainder securing apprenticeships and entering the world of work.**

At CSIA, we love to hear the successes of our students when they leave. Ewan and Jack have recently received the 'Apprentice of the Year' award from Pendennis Shipyard. We were delighted to find out more.

Jack and Ewan joined John Ross, the Head of the VI Form, and Sarah Belshaw, Vice Principal, for a coffee to tell their story of the eighteen months that have passed since leaving

the VI Form. Both students did very well in the VI Form with Jack securing A-levels in Product Design (B), Physical Education (B), and Geography (A) whilst Ewan secured a Diploma in Sport (double Distinction\*) and Public Services (Distinction\*). Ewan and Jack took advantage of the careers support, (delivered during tutorials and PSHE days), to create a polished C.V. and applied for apprenticeships at the Pendennis Shipyard in Falmouth. Pendennis Shipyard apprenticeships are highly sought after because they are internationally recognised as being at the top of their field with World Superyacht Awards and an International Superyacht Society Award to their name. Jack and Ewan both secured their apprenticeships, against a field of hundreds of applicants, with Jack being appointed to the engineering

specialism and Ewan to finishing and painting.

Ewan and Jack have recently been recognised in each of their apprenticeships as being the "Apprentice of the Year." John Ross congratulated both saying, "I am delighted that you have both been recognised for your commitment, love of learning, and resilience." Whilst Sarah Belshaw said, "The VI Form is very proud of your achievements and we look forward to all the successes to come."

As the meeting came to a close, Ewan's parting comment made John Ross and Sarah Belshaw particularly proud: "Camborne VI Form taught me team work, dedication, and an eye for perfection."



Jack and Ewan with their Apprentice of the Year awards



# Moving up Through the Ranks

**CSIA would like to congratulate Declan on being appointed High Sheriff Police Cadet for Cornwall.**

All cadets work towards nationally recognised qualifications in team-working, citizenship and personal skills following a detailed programme that covers every aspect of policing and how they support the police in keeping our communities safe and reassured.

The role of High Sheriff strengthens links between the police and young people, and promotes good citizenship. It is open to teenagers between 13 and 18 years old.

As part of the process, Declan delivered a presentation about his personal growth, how far he has come over the last 3 years, and his interest in Dogs and becoming a Police Dog Handler.

We are all so proud of Declan; what an achievement!



## Jessie Places 1st at the British Baton Twirling Nationals

**Jessie G in Year 7 has shown her fantastic talent and dedication in Baton Twirling throughout her time at Camborne Science and International Academy.**

In January, Jessie attended the British Baton Twirling Federation (BBTF) Winter Nationals Competition and placed 1st in Xstrut, 3rd in Basic Strut, 3rd in a duo routine and 4th in a Dance solo. She was up against 12 other athletes aged 12 to 13 years, therefore competing in the age group above her.

Jessie now focuses her attention on training for the National finals on the 25th May 2019. The staff and students at Camborne Science and International Academy would like to congratulate Jessie for her recent sporting successes and would like to wish her luck in the future!



# Nexus Appoints its First Poet Laureate

Our search for a Poet Laureate is over and we are delighted to announce that we have 4 wordsmiths who will take up the post.

Following the creative work that has come out of English lessons and the Co-curricular club Scribblers, Arina W, a Year 7 student on the PPE programme at Nexus has been awarded the title of Poet Laureate Junior. She will be mentored and supported by three Year 12 students: Alex G, Tilly B-H and Holly S. These A Level English Literature students will take the role on a rolling basis and alternate the role of Poet Laureate Senior between them.

These important roles will help shape the future of creative writing within the school. The students will be writing about important events, both on a national level and within the school. It is also anticipated that they will celebrate the work of other poets and co-ordinate events to promote creative writing opportunities within the school.

This entry by Tilly B-H in Year 12 took a more contemplative look at the impact humans are having on the sea. She was inspired by the poetry of Gerald Manley Hopkins to write this piece:



## *Beyond the sea*

*Consumers have bought, have bought, have bought;  
All is tarnished with use; blurred, hidden with forgery;  
All wears man's mark and shares man's smell: the sea  
Is not alone now, nor can body feel, being contaminated.*

*And for all this, time is never spent;  
There lives the dearest darkest deep bacteria  
Interrupted by the toiled trade;  
And though word expands across the globe  
Reactions ascend with fleet;  
Because water speaked;  
S A S brinks breakthrough;  
World ascends with talk of change and with oh! unshod.*

*Written by Tilly B-H*





# CSIA Student Shines on Channel 4's Child Genius

**Ben, one of our students from Nexus, appeared on the Channel 4 hit TV show Child Genius, that aired last term.**

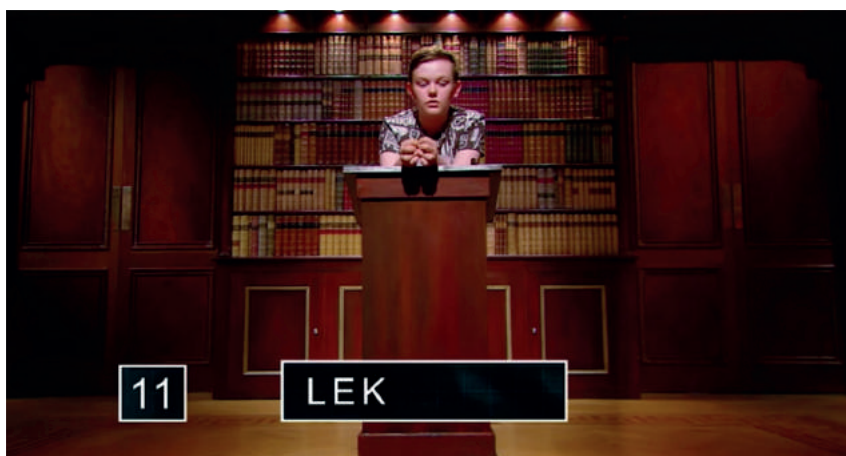
Ben competed against some of the brightest children in the country in spelling, mathematics, memory and general knowledge rounds. Ben did exceptionally well and made it all the way to the final before being eliminated out in a thrilling tiebreaker.

Dr. Jo Foster, Director of Nexus, said, "We are very proud of Ben – it's so inspiring to see one of our students competing with incredibly gifted young people from all over the country."

Ben has many hobbies, including coding, video games and speed solving Rubik's cubes; his current record is just over 30 seconds.

Ben enjoyed the experience of being a participant on Child Genius. "The other kids were great; we actually seemed to have a lot in common and we laughed a lot during the filming. One episode was so funny: Richard Osman couldn't pronounce the Latin names and they had to keep cutting the filming so that he could get it right."

Ben hasn't let his appearance in the show go to his head. He is still working hard with his studies, and helps out at school, for example, volunteering to assist at the Easter STEM Camp for Year 4 and 5 children. "It was great fun while it lasted and I really enjoyed being in London for the filming. I'm glad to be home though – I missed proper pasties and I'm really looking forward to some down time at home this summer!"





# Students Leading the Way with Inspiring Kindness Project

CSIA students are spreading a message of compassion with a series of kindness projects taking place throughout the year.

Tutor groups across Years 7-11 at CSIA are supporting Camborne Redruth Community Hospital through the Kindness Project.

“As part of the Kindness Project, we have established a close rapport with the hospital and in particular, the Stroke Ward. Every Wednesday evening, students and teachers visit the patients, and send cards and gifts,” commented Naomi Godolphin, Assistant Principal. “We spend time reading out the cards, helping them to unwrap their presents, take time to chat, get to know the patients and learn from one another.”

The project is running all year, with a view to creating more links within the community. Jamie H, in Year 7, commented, “I am really enjoying being part of this because it makes me feel like I’m making a difference to people’s lives and that’s very important.”



Katya S-W, Abi L & Sophie L

“Our students are showing the patients that in their time of need, they are thinking of them. They’re so appreciative of the students’ kindness and have even shed a tear when learning that young people care and are here for them,” commented Naomi. “Students often meet the families of the patients who have been equally touched by the kindness shown and have even written cards of appreciation.”

Staff on the ward have been “extremely grateful” for the project. “Dr Sidi Henanouche even observed that patients are more motivated to get better as a result of our projects and that is incredibly rewarding,” added Naomi. “Every week, the patients look forward to our visit and it’s amazing to be part of such a positive project which is changing lives.”



Jamie H with a patient



Khanne W & Amy C with Brenda



# Memories

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As we journey on through the year and exams are fast approaching for some, others will be making key decisions about their future and all of us are looking forward to the warmer weather, I often begin to think about what I remember from when I was at school all those many years ago.

Just the other day I was reminded of my Sundays as a child. As a Christian on a Sunday morning I used to sing in the school choir. This meant I had to wear my school uniform most Sundays which I never enjoyed. However, after Mass, as a family we went swimming to a pool which seemed to have more chlorine than water in it. We must have been very dirty in London! After we had been swimming my sisters and I used to get a big bowl of chips and a cup of hot chocolate. I still remember those chips as being the best I have ever tasted; I have never had chips as good since.

The only problem with having an enjoyable Sunday was that Monday morning came around very quickly. That meant getting up early, catching the bus and going to school.

However, I can still remember part way through most Monday mornings smelling my tie which still smelt of chlorine and wishing I was back eating those chips.

I often think back to those times and they very often cheer me up, especially if I'm having a bad day. Many of the world religions have days when they celebrate and days when they remember happy events. These are meant to help people get through the tough times of life. At this time of year the Jewish religion celebrates Passover and Christians have celebrated Easter.

For all of us, whether or not we believe in God, we can all remember happy events in our lives. We need to hold on to these memories as they can help us through the days we find tough. They remind us that good things do happen. Our lives are precious and special; we all have a place here on Earth which only we can fill. No one else will ever be able to take our place.

As we journey through this term, remember the good moments, be strong through the tough moments and always remember you are important to our community here, because no one else can ever take your place.

*by Father Anthony*



# A Glowing Introduction to Bioluminescence

January's Science Super Saturday commenced with a glowing introduction to bioluminescence and how science has taken cues from a range of glowing creatures to develop techniques used in medical diagnosis.

Students were challenged to see if they could turn an ordinary school-based item into a glowing solution similar to Fluorescein used to identify defects and abrasions on the eye's surface. 'Liquid light' was produced in CSIA's temporary black room, designed and set up especially for the occasion.

Using their new found skills, students from CSIA's partner primary schools used Fluorescein and a black light to investigate a lamb's eye and identify any medical issues on the surface of the eye.

Faced with the opportunity of seeing an eye incredibly up close, the students stretched their knowledge and delved deeper into the eye, identifying which parts were utilised in sight and colour recognition. Rounding up the morning we discovered how highlighter ink can be made invisible using lemon juice... until a UV light is applied and the secret writing becomes clear again!



Students making tiny abrasions on a lamb's eyeball



## Bronze DofE Students Raise £190 for Surfers Against Sewage

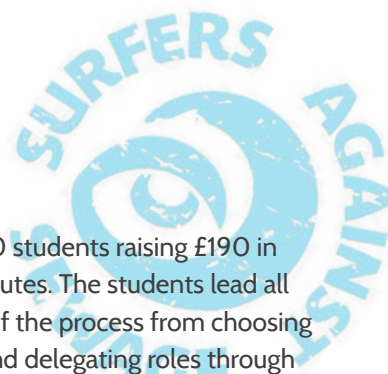
The annual Bronze Duke of Edinburgh's Award fundraiser took place on 24th January this year with all funds going to the local environmental charity Surfers Against Sewage.

Each year, the Bronze students spend the volunteering section of their award planning and preparing for the fundraiser to help give something back to their community.

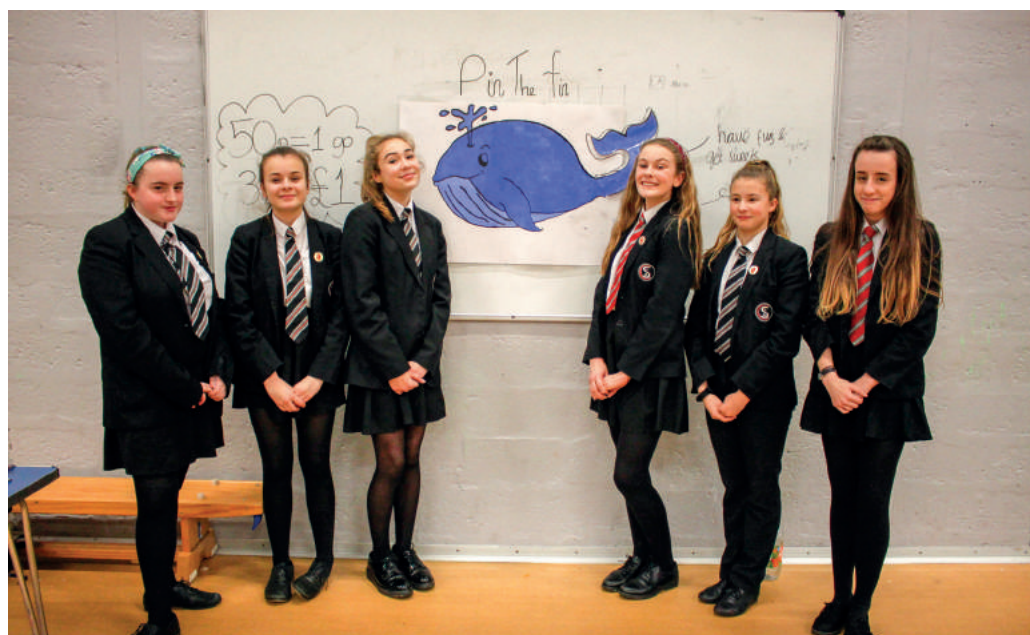
"The fundraiser was a huge success

with the 60 students raising £190 in just 45 minutes. The students lead all elements of the process from choosing a charity and delegating roles through to managing budgets, and creating advertising materials. After 3 months, the teams have put in a lot of hard work so it is great to see them raise such a meaningful amount." – Mr Douglas, Director of Outdoor Education.

The students now move on to completing the Skill and Physical sections of the award before heading out in June for their much anticipated practice expedition.



Emily, Faith & Jack sell homemade goodies to Mr Moore



Team 6 with their ocean themed take on Pin the Tail on the Donkey – 'Pin the Fin'



# Football Away Day to Manchester

**On Tuesday 29th January, 45 students from CSIA travelled the long journey up to Manchester.**

Leaving at 7am the students began the 8-hour journey up to the Etihad stadium. On arrival at Manchester City's stadium, the students had a tour of the ground. They went into the players' lounge, the guest lounge, the home and away changing rooms as well as the indoor warm up areas.

The students had the opportunity to go down to pitch side and ask the two

experienced members of the stadium lots of questions. After the tour, we transferred over to the 'Theatre of Dreams'. When we arrived at Old Trafford, we went into the Mega Store before going through the turnstiles into the stadium. Our students had fantastic seats situated behind the goal and above the tunnel, only 20 rows up from pitch side.

Before the match began there was a minute's silence to remember the 'Busby Babes', and then it was time for kick off. Manchester United had many chances however, against the run of play Burnley scored. Manchester

United then went 2 – 0 down. Tactical substitutions from Ole Gunnar Solskjaer meant that the team became more attacking.

A penalty was awarded to Manchester United which Pogba converted in the 85th minute. 3 minutes from the end of the game Manchester United scored again. The fans in the stadium erupted. The atmosphere was amazing. "The students were a real credit to CSIA and we all thoroughly enjoyed the trip," said Mrs Rowles – Jane, Head of PE, Sport and Dance.



Trip picture in the home changing room at Manchester City





Media conference room



Miss Carveth, Miss Sage, Mr Moore and Mrs Rowles – Jane completing the tour of the Etihad



# A Look into the Future for Students at Careers Fair

**Engineering, medicine, software development, satellite communications and risk assessment - just some of the areas explored by students on PHSE day.**

In February, CSIA hosted a Careers Fair designed to bring the world of work to students enabling them to discuss employment opportunities with a wide range of employers. From local employers such as Feadon Farm and the Eden Project, to multinational corporations such as Avanti Communications and KPMG, students were given a real snapshot of how fast-moving and exciting the world of work can be.

It was an absolutely fantastic day and our students left feeling inspired having discovered an array of exciting career paths. We had over 35 employers at

our event and the variety of different exhibitors was very diverse, so students had a real understanding into the opportunities that lie ahead. Interactive stands, including mobile phone retina scans and programming a Tesla using code were really well received. Students were able to see technological advances in a range of industries in Cornwall and beyond.

Our students' aspirations are our priority. The fair and the workshops on offer across the school were designed around their requests for employer encounters. With so many businesses and organisations involved, our Careers Fair inspired students of all interests and abilities. They were able to network with employers to secure work experience placements and higher-level apprenticeships as well as exploring the wide range of degree courses on offer from universities and employers.

Finally, a big thank you to the participating organisations which included: Avanti Communications, KPMG, Devon & Cornwall Constabulary, Cornwall Fire Service, Coastline Housing, Careers 4 U, Babcock International, Cornwall Care, Dynamo Healthcare, Medical Mavericks, SERCO Defense, Get In Cornwall, Coodes Solicitors, Cornwall Council, Corserv Ltd, Coachmakers, Hospitality Table, Feadon Farm, Pendennis Shipyard, Nexus, Cornwall School of Mathematics and Science, CSIA's VI Form Academy, 3D Kernow, DBS Music, Cornwall College, Duchy College, Falmouth Marine School, Falmouth University, Royal Navy/Marines, The Army, University of Exeter, National Citizenship Service, Next Steps Cornwall, Plymouth University Medical Dental, EBP, Midas Construction, RG Kellow Ltd and Software Cornwall.



Gabriel, Ben and Anya meeting Eoin Seager from KPMG





Kezia exploring Biotech advances



Chi C



SERCO Defence sharing information about the world of engineering



Mia having a retina scan







A member of staff from Feadon Farm informing students about careers in conservation





CSIA students discuss careers in the music industry



Apprenticeship opportunities at Pendennis Shipyard



# CSIA Fundraising Committee Raise Money for Comic Relief

**On 15th March, CSIA took part in raising money for Comic Relief.**

The fundraising committee decided that in addition to selling the familiar red noses, they would like to organise some activities for pupils to take part in during lunchtime, including a bake sale.

The committee started early on in the day selling red noses during tutorial. This year the red noses came packaged in a small, cardboard box which prevented you seeing which of the many characters you were buying. There were some rare noses to collect and this added to the excitement of opening your box. During break time, the committee and some esteemed helpers set up an inviting assortment of cakes for sale in the sports hall. This was very popular and there were some outstanding contributions to the sale



Skye showcasing one of the iconic noses

from parents, carers and grandparents who had obviously put a lot of effort in for the cause.

At lunchtime, the sports hall was set up with a number of fairground style

activities for pupils to take part in, such as a basketball challenge, a hula-hoop challenge run by Miss Teixeira, a keepy-ups challenge and a team challenge. Thanks are due to Miss Ward, Mrs Godfrey, Miss Howells, Mr Batson and Miss Reeve for lending their hands and helping supervise the events. Pupils paid £1 to gain entry to the sports hall to help raise as much as possible and everyone involved had a lot of fun. In line with the school's commitment to reduce its impact on the environment, winners of the challenges took home an eco-friendly metal drinks flask.

All of the cakes baked for the day were sold and as of writing, the total raised for Comic Relief stands at over £200.

Thanks go to the fundraising committee: Emily J, Skye M, Piper B, Jake B and Chelsea G for all their hard work and organisation.



Gracie getting involved in the action



# Year 8 Camel Trail Reward Trip

In recognition of their fantastic attendance and conduct, over 170 students cycled the Camel Trail from Wadebridge to Padstow as part of the latest reward trip at CSIA.

The trip was arranged as a reward for students achieving 100% attendance for the 21 Day Challenge set by Assistant Principal for Key Stage 3, Mr Simmonds, in an assembly. Year 8 engaged with the challenge immediately and this led to a further challenge for all students to ride 20km on the day. The trip was a huge success, with all students achieving at least 20km and finished with an ice-cream as an added bonus for all involved.

As always, the students received a large number of compliments in regards to their conduct throughout the trip with members of staff at the Bridge Bike Hire commenting that students from CSIA were “extremely polite and displayed incredible manners.”

Mr Simmonds shared that, “It was a fantastic day out with the students, allowing all involved to show a range of characteristics, such as resilience, to achieve the target set.”



## SW State Schools Netball Tournament

**The Year 8 Netball Team recently travelled to Budehaven Community College for the Under 13 South West State Schools Under 13 Tournament.**

The team did fantastically and made it to the semi-finals, before being knocked out in a close game by Penair, who then went on to win the tournament.

This was the CSIA's final fixture of the season and they definitely finished with

a bang, beating Sidmouth, Budehaven and Okehampton comprehensively!

The player of the tournament was shared between Holly (who captained the team with confidence and led by example throughout), and Megan who made fantastic interceptions at every opportunity.



# VI Form Success in the International Schools Science Fair

**At the end of March, three VI Form students travelled over 6,000 miles to Singapore to take part in the annual International Schools Science Fair (ISSF).**

We were delighted to be represented at the ISSF, along with over 25 schools from around the globe. Having arrived a few days before the ISSF began, we were able to take the opportunity to explore Singapore's most famous sights including Pulau Ubin Island, The Botanical Gardens and Gardens by the Bay light display. We were amazed at Singapore's incredible beauty and biodiversity which included fresh water crocodiles, flying lemurs and the canopy dwelling bird, the hornbill.

The first day of the ISSF kick started with the poster presentation and oral lectures. CSIA students were able to

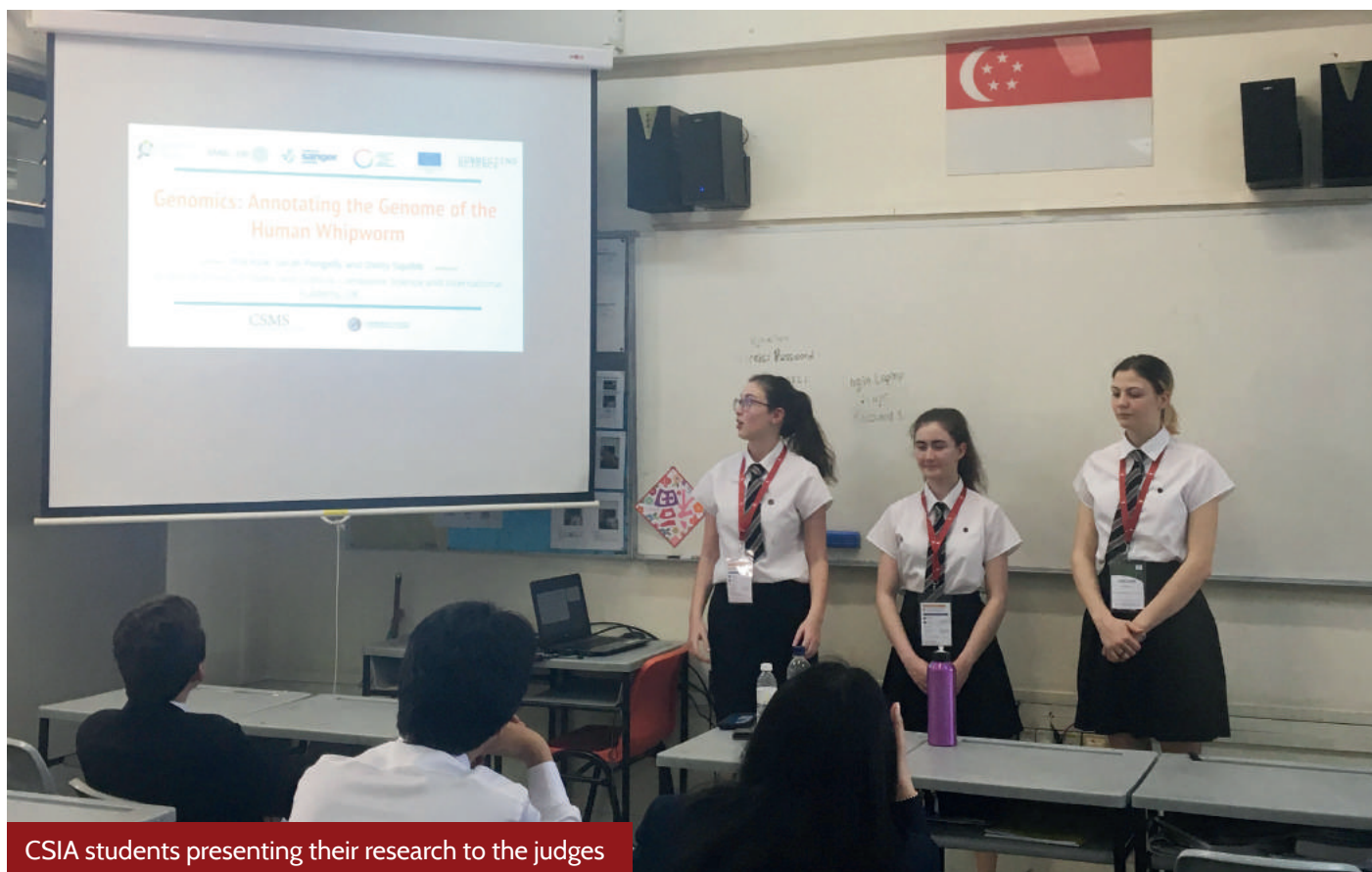
present the extensive research they had undertaken on annotating the genome of the human whiptail worm. In the poster session the experts questioned them assiduously on every aspect of the investigation and later they had to withstand the intensive scrutiny of their peers and teachers from all the represented schools. The students did CSIA proud: they articulated their findings clearly and with passion – a massive boost to their public speaking capabilities and confidence levels.

By the end of the first day, the students had presented their research, discovered the teams in which they would be working for the science challenges and tried new delicious foods. Most importantly, they got to know the other group members really well so that for the rest of the week they were comfortable amongst their new friends!

The theme for the week was "Science for Society." Students undertook scientific investigations that benefit local communities and help solve community problems. The students were challenged to come up with a scientific idea and prototype to help a local community with water energy issues.

Visits to a variety of technological industries at different sites in Singapore followed throughout the week to help aid the students in their investigations, culminating in lectures at National Junior College. The students did amazingly well with CSIA students obtaining first and second place at the end of the week.

One of the highlights of the week was attending workshops and lectures in 'Design Thinking'. Design Thinking refers to the cognitive, strategic and practical processes by which design concepts



CSIA students presenting their research to the judges





Exploring the parks known as Singapore's green city

are developed. This really inspired the students with their prototypes. The professors who gave the lecture demonstrated passion and enthusiasm for science to not only progress, but to help those who need it most in doing so. Inspiring, witty, entertaining, and informative are just some of the adjectives we could use to describe his talk. Everyone felt so privileged to be able to attend this eye opening lecture and it gave us some new ideas to take home with us.

At the end of the week, we had all grown intellectually, become more independent, increased in confidence and engaged with people from many countries. We had also discovered more about the field of science, Singapore and the world in general. This trip was a life changing experience for us all and made us reflect on what we might be able to achieve if we think big!



Botanical Gardens featuring the Super Trees



# Camborne Historians Commemorate WWI

## February saw CSIA's GCSE and A-level History students travel to visit the battlefields of the First World War.

The VI Form Centre morphed into a check-in zone and waiting room so that, with passports in hand and luggage loaded, the travellers and their cuddly toys could start the journey. Billy Joel's 'We didn't start the fire' created an unforgettable ambience down the A30 and A303 to Dover, Calais and finally the hotel in Nieuwpoort, Belgium.

Bernard, a local French farmer and historian, graciously welcomed the tourists to his private family farm. The trip leader, Mr Ross said, "It is always a privilege and a pleasure to start the trip by meeting with Bernard because he is both charming and a local WWI expert who safely guides the students on their first experience of field-walking for artefacts." Bernard's farm is the site of the 1914 Christmas Day truce and the surrounding fields, and his barn, are a treasure trove of shrapnel, Five-Nines, barbed wire, and rifles. The students were bowled over by the guided tour (translated by Mr Watkinson) of the

front lines. Knee deep in mud and with wellies covered in clay, artefacts were found including .303 bullets and casings, pottery, shrapnel, barbed wire, a trenching tool, and a uniform button. CSIA student Alfie said, "It is really exciting to be able to learn about history by seeing the trenches, walking in the mud, and picking up artefacts."

Dinner, bed, wake up, breakfast and time to explore the Ypres Salient. Langemark German cemetery which is tucked away behind brown walls and has been deliberately planted with trees so that it almost disappears into the landscape. VI Former Phoebe said, "It is particularly poignant that there is a special memorial to 10,000 German soldiers, about my age, who are buried here." Tyne Cot Commonwealth cemetery to the dead and missing contrasts impressively with Langemark because it is impossible to ignore - the striking white Portland stone stands proud against the landscape. VI Former Emily said, "The number of graves is awful and all the worse when juxtaposed to the 34,000 names of the missing that are carved onto the panels that surround the cemetery." The afternoon saw the tourists follow in the footsteps of many a Tommy as they walked the preserved trenches of Hill 62. VI Former Kira said, "Walking in ankle deep mud in a real trench, if only for a few minutes, makes it easy to imagine the horrific conditions the soldiers endured." Last stop of the day brought solace and a warming cuppa in Toc H whilst, in the background, the piano was masterfully played by Year 11 student Kezia.

Dinner, bed, breakfast and an early start to the Somme where some 300,000 soldiers died in the summer and autumn of 1916. Thiepval Anglo-French memorial stood proud and intimidating in the morning light in silent memorial to 73,000 missing,

whilst Beaumont Hamel memorial to the Newfoundland regiment was equally daunting. Mrs Lyddon said that it was "eerie to walk through quiet, preserved trenches" and Miss Weeks was especially moved by the 'danger tree' which marked the end of safety in the trenches. Onwards to the Highlander's cemetery and the German trenches beyond which are still fenced off due to unexploded ordinance. Lunch of real French fries and mayonnaise, and ketchup, in Le Tommy Café was followed by the Lochnagar Crater. The day ended at the Vimy Ridge Canadian Memorial - wind



Jasmine and Mr Oates spot a pump





blowing, clouds racing, spirits soaring – a moment to reflect under the watchful gaze of the statue of Canada Bereft.

A day in Ypres led unerringly to chocolate in Leonides' shop, warming Flemish stew in a lunchtime café, and chicken and chips for dinner – it is not a place to worry about your waist line. The In Flanders Museum is perfectly balanced with artefacts, re-enactments and commentary and gave the historians plenty of opportunities

to reflect. The trip was wrapped up at 8pm at the Menin Gate Memorial remembrance ceremony. There were a few unashamed tears as the Gate reverberated to the Last Post.

It was particularly memorable for Mrs Green, who celebrated her 62nd birthday during the trip, and to students Kane and India who participated in the daily ceremony by laying a wreath. India said, "I'll never forget the privilege or the experience."

Bed, wake up, load the coach, Dover, A303, Camborne. Vice Principal, Mr Oates said, "The students were fantastic from start to finish. They will no doubt have made friends and memories that will last a lifetime."



Walking the trenches





Mr Watkinson, Mrs Green, India and Kale prepare to lay a wreath



Alfie with a .303 bullet found field walking



Philippa, Emily, Essie, Jasmine and James at Langemark





Students visited Vimy Ridge



The group at Tyne Cot



# Dance Showcase 2019

In a fantastic showcase of talent at CSIA, on Thursday 21st March 2019 students from Year 7 through to VI Form showcased their hard work in the annual Camborne Science and International Academy Dance Show.

The evening consisted of multiple pieces of work including exam

choreography and work from extra-curricular activities. The students worked alone, in duets and groups to produce choreography that had their own creative intention and purpose behind it, as well as showcasing their professional repertoire.

Over the past 5 months, students have worked tirelessly to plan, choreograph and execute their routines to a professional standard. On the evening of the Dance Showcase students were prepared, enthusiastic and passionate



about what they were going to perform.

Throughout the rehearsal process, students attended with positive attitudes and demonstrated the resilience that allowed them to overcome final alterations to their work in preparation for the final show.

Miss Mugford, Dance Teacher, said, "I would like to extend my thanks to all that have supported the students on the night and also with rehearsals. Without the ongoing support of the parents and carers, the students would not have the opportunity to perform in a professional environment and showcase their natural talent."



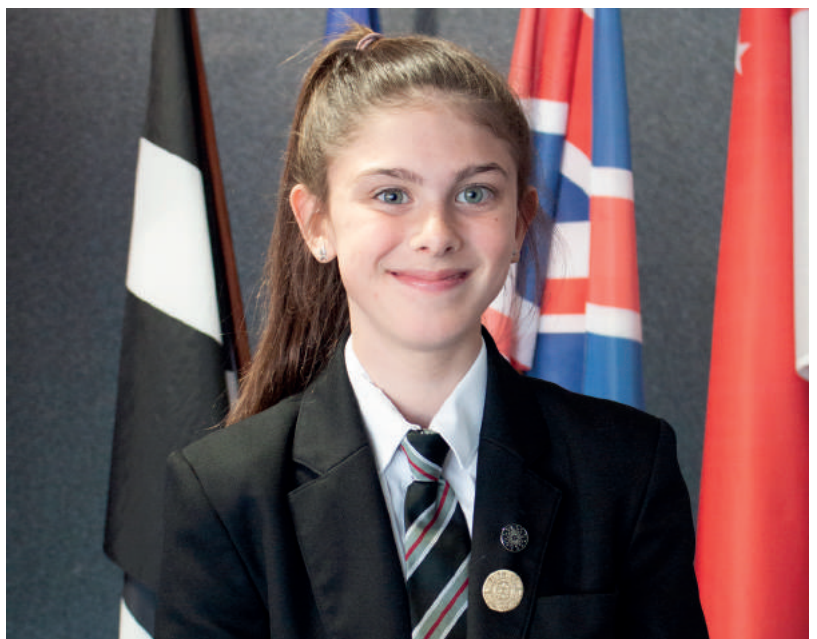


# Triple Cross Country Success

**The CSIA Cross Country Club runners have performed excellently this year.**

They have competed in Inter-School Cross Country races, the Cross Country School Relays, the Cornwall Schools Cross Country Championships, and Coose Trannack. Barley H and Alice F raced excellently in the Cornwall Schools Cross Country Championships and narrowly missed a position to enter the Regional Championships. Jesse G, Abbie P and Skye M were voted the most improved runners of the season, showing excellent commitment to the club and Harley C was voted Runner of the Season.

Miss Williams would like to congratulate Harley on his performance and dedication to the club. In January, Harley raced at the Cornwall Schools Cross Country Championships and placed 4th in the county, despite running against students in the year above. This meant that he qualified for the South West Schools Regional Cross Country Championships in Bath. Following this, Harley secured a position at the ESAA National Schools Cross-Country Championships in Leeds. This was Harley's first competition at this standard and he raced against extremely experienced runners. This is an outstanding achievement.





# VI Form Academy Beach Clean

The VI Form Academy is a dynamic environment with an active Student Leadership Team. One of the focus issues that the Student Leadership Teams have been engaging with this academic year is how to have a positive impact on the environment.

Student Leader Iona has championed the notion of positive action and making a practical difference in the form of an organised beach clean. This is particularly relevant because of the Cornish geography, but also because of the impact of tourism at this time of year. Surfers Against Sewage claim that approximately 5,000 items of marine plastic pollution are to be found on every mile of beach and that this is ingested by marine wildlife, like cormorants and filter feeders such as basking sharks which will be arriving off our shores in the near future.

Undaunted by the weather, a brave group of VI Formers scoured Gwithian collecting an eclectic mix of detritus, including lots of bits of unidentifiable plastic, bits of old rope, bottle tops, cotton buds and lolly sticks, and surprisingly an engine manifold. The students also went on a nurdle hunt which became increasingly competitive. Nurdles are small, rice sized plastic beads that are used in plastic manufacturing and get into the food chain really easily because of their size and shape. After a couple of hours in the rain, the VI Formers were able to claim success, both for having a positive impact on the environment and for having a bit of a giggle on the beach, and went home to enjoy the well deserved weekend.



The team about to begin



One student's collection of nurdles





Braving the weather, VI Form students celebrate their beach clean





# Bookworms Get Inspired at The KYBA Book Awards

**Our avid Nexus Bookworms had a fantastic day immersing themselves in the world of literature at the KYBA Book Awards.**

Hosted at The Eden Project, the students had the opportunity to hear from five authors shortlisted for KYBA (Kernow Youth Book Awards).

The authors, including Ross Welford and Chris Higgins, gave presentations about the inspiration behind their writing, their methods in putting pen to paper and valuable words of wisdom to would-be writers. Students also had the chance to get books signed and ask questions to the authors, who gave freely of their time. Our students found the day highly inspiring and engaging.

Authors were keen to emphasise the power and pleasure of reading. Ross Welford, author of Bookworms' favourite, *The 1,000 Year Old Boy*, was

keen to stress the symbiotic relationship between reader and writer and that the magic of a story lay in connecting with the reader's imagination. Cathy

The message of the day was motivating: if you want to be a writer, get writing. Host and renown writer, Tim Bowler offered these parting words, "Write



Macphail, author of the tense and twisty thriller *Between the Lies*, was announced as the winner of KYBA for 2019.

your dreams and shake up the world!" There are several of our Bookworms who will be taking up this challenge and we look forward to reading their efforts in the future.







## CSIA Celebrates World Book Day

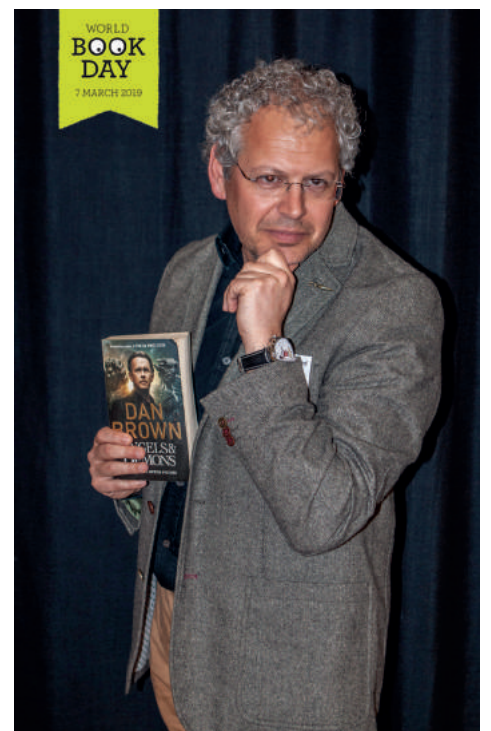
**On Thursday 7th March, students at Camborne Science and International Academy and Nexus enjoyed a day of celebrating World Book Day.**

Students enjoyed English lessons celebrating the joy of reading: teachers across the school shared their favourite books and students took part in various house challenges.

To add to the celebrations, teachers dressed up as their favourite characters adding an element of creativity and fun to the corridors. We were joined by characters from Oliver Twist (also known as the Science department), Harry Potter (including a wonderful Moaning Myrtle) by the English Department, Peter Pan (Mrs Rowles-Jane and the PE department), 101 Dalmations (including a dashing Cruella Deville) by the Humanities team, and many more! At the Nexus Campus, students celebrated reading through the

creation of a physical 'Book Tree' which contained book recommendations. And to share the gift of reading even further, students wrapped up their favourite books and donated them as special presents to each other.

What a wonderful reminder of the power of reading! We can't wait to see what everyone does next year.





## CSIA on International Stage for Japanese Visit

**CSIA recently hosted a visit at the end of February from Mr Hiroshi Tanaka, previous Principal of Ritsumeikan High School, Kyoto, Japan.**

Ritsumeikan High School is linked with Ritsumeikan University, and is a significant player in the education landscape of Japan. Ritsumeikan have four High Schools in Japan, one Primary School and four University campuses across Japan.

Ritsumeikan University has an office within the University of London. Ritsumeikan High School currently receives grants from the government of Japan to run a number of International Liaison projects, including the Japan

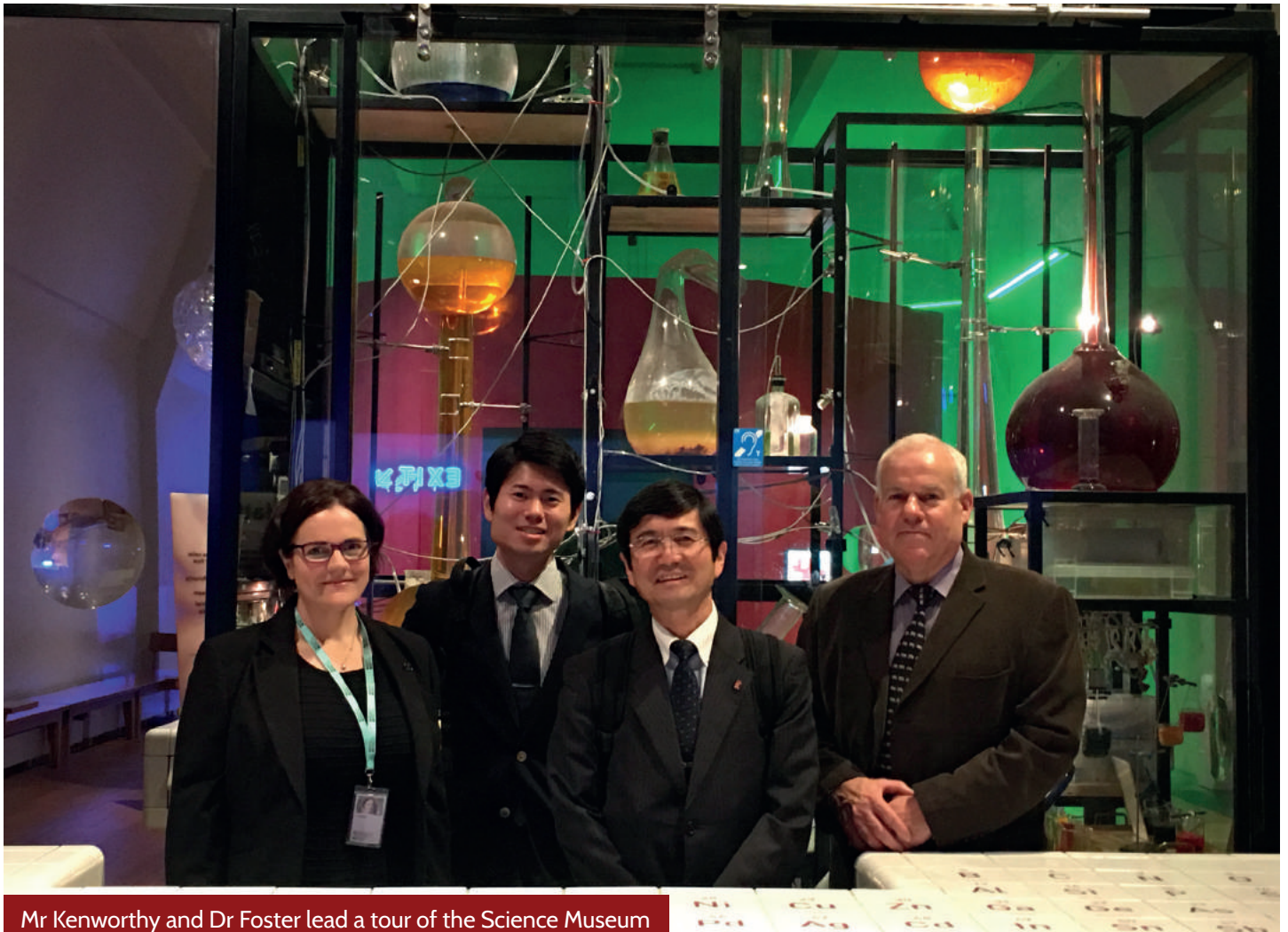
Super Science Fair and the Super Global Forum, both of which attract students from across the world for collaboration and communication about science and the humanities. Mr Tanaka is working on International Liaison for Ritsumeikan High School at present.

As part of Mr Tanaka's visit to the UK, Dr. Foster and Mr Kenworthy took Mr Tanaka to visit the Royal Society and the Science Museum in London.

“We were privileged to be shown round the archive of the Royal Society and to see a number of exceptional original items and documents, including an original copy of Isaac Newton’s ‘Principia,’ which first stated his laws of motion and marked the epoch of a revolution in physics,” says Mr Tanaka.

At the Science Museum, the group were escorted by the Head of International Liaison, Helen Jones. Many ways in which the schools could build on their International collaborations were discussed.

Groups of students from Camborne Science and International Academy visit Ritsumeikan School in Japan twice per year for the Japan Super Science Fair and for the Super Global Forum. We are delighted to continue our mutually beneficial work with this prestigious school.





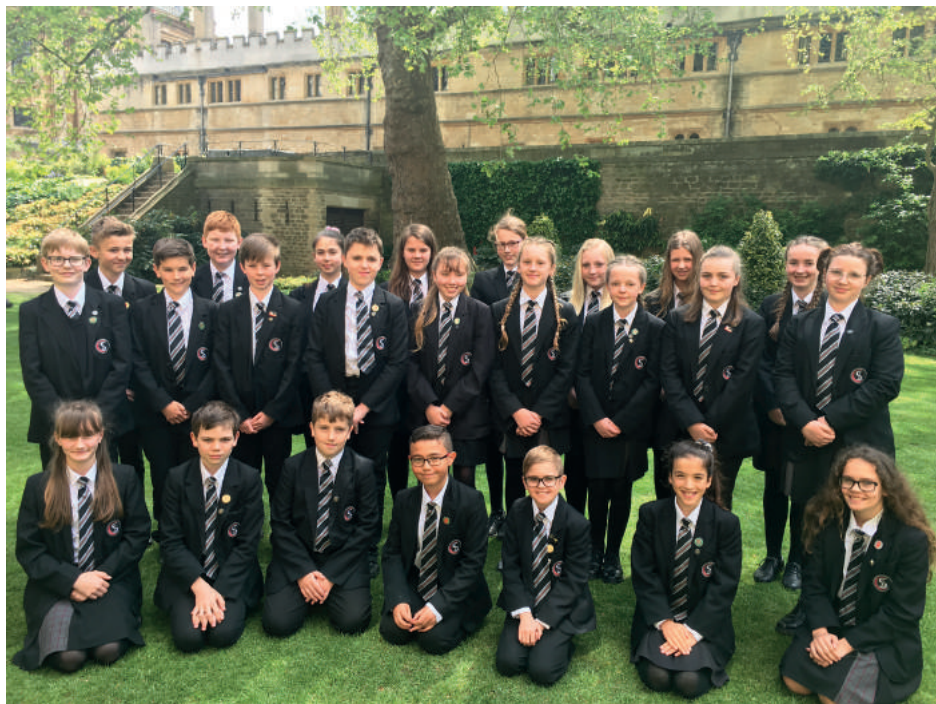
# Dreaming Spires of Oxford Inspire CSIA Year 7 Students

Twenty-four students from Nexus 7 and CSIA had an incredible opportunity to visit two Oxford colleges to get a taste of university life.

The day was packed with activities; the students learned more about the courses and opportunities available at university. They were amazed to find that there really is a Quidditch Club already at Oxford University and a number were keen to sign up there and then!

The Nexus students were guided around Exeter College by current undergraduate students which gave them a chance to find out more about life at the university and the application process.

They were treated to lunch in the great hall before being challenged in a maths workshop delivered by Dr James Munro in the Maths Department.



Finally, during the plenary session, students were reminded that if they want to realise their big dreams and secure a place at a top university, they need to work hard, secure excellent grades and ensure they are developing their critical thinking skills.

We have every confidence that this excellent group of students have every chance of success in their ambitions. Perhaps Quidditch should be a part of our co-curricular programme?



# Prefect Meal at the Penventon Park Hotel

Over the course of the year, the prefect team has taken on a number of responsibilities. So this meal was the perfect way to share our appreciation.

They have helped the school tremendously at lunchtimes by helping to supervise the corridors, they have helped to produce the year book and have also supported with a number of school events. The team has been reliable, hard-working and they have all been incredible role models for younger students.

As a reward for all of their hard work and commitment, they were treated to a meal out at the Penventon Park Hotel. Prefects were given a final opportunity to socialise together and enjoy each other's company as a team before the Year 10 prefect team take over. Matthew C and Emma J gave speeches on behalf of the prefect team and heartfelt thanks were given to them all by both Mr Kenworthy and Mrs Godolphin. A wonderful time was had by all.

The prefects should all be very proud of their contribution to the school community: their consistency and enthusiasm have not wavered. The school is thankful for everything that they have done and would like to wish them all good luck in their GCSEs. They have been fantastic ambassadors for CSIA and deserve every success.





# Bespoke Revision Evenings

Students in Year 9, 10 and 11 have been extremely busy this semester. With mock exams and actual exams approaching, students in Key Stage 4 have attended bespoke revision events to support them in preparing for their exams.

These events kicked off with two sessions in January for Year 11 who learned to divide up their time and plan their revision to ensure that they are organised in approaching all of their exams. Year 9 then attended a 'micro' event which enabled them to begin to understand the concept of time management and saw them begin to prepare for their Year 9 mocks. Most recently, the hall was busy once again with Year 10 students keen to receive



their revision guides and learn how to prepare for their upcoming mock exams.

We are incredibly impressed with the maturity and positivity shown by these students and are confident that they are

developing skills that will set them up for life, as well as their exams.

A parent of a Year 9 student explained: "The revision evening was excellent and a little light came on in my child's head. She is very focused and it has really helped her feel much more confident about revision!"

If you would like more information on how to create a revision plan or how to revise, please contact Mrs Trevarthen [enquires@cambornescience.co.uk](mailto:enquires@cambornescience.co.uk)





# House Catapult Competition

**Picture the scene: a chilly March lunchtime, students from all Houses gathered around a long table to watch marshmallows take a dramatic leap across the room.**

This was the exciting reality for Masai, Maori, Abenaki and Aztec students during the most recent House Catapult Competition.

Students, armed with a selection of lollipop sticks and elastic bands, were challenged to create a catapult with clout, capable of shooting a marshmallow from one side of the room to the other. House Leaders witnessed a variety of building techniques ranging from a T shape with 10 intricately placed elastic bands to strong triangle shaped catapults built well enough to stand on their own.

The competition reached a thrilling peak as students put their catapults to the test. Some marshmallows fell

short of the mark, barely exceeding the 10cm mark on the bench. However, Aztec and Abenaki were neck and neck throughout the competition; their marshmallows punched through the air and triumphantly landed on the other side of the room.

Finally, with close inspection from the House Leaders, it was decided that Aztec had won this battle. Congratulations to Aztec and well done to Masai, Maori and Abenaki for your enthusiastic participation.







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.

## Summer 2019 Dates

- 8 June - Science @ Nexus:  
Perfect Pendulums and Candy Catapults!
- 22 June - ICT: Swift Playgrounds
- 6 July - English: Spooky Stories



**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**





# Introducing CSIA CCF Squadron (RAF)



**Camborne Science and International Academy have this year been granted the opportunity to set up our own Royal Air Force (RAF) Squadron, a unit of the Combined Cadet Force (CCF).**

This is a great honour for the school as the selection process was very competitive.

It is expected that the Squadron will be "On Parade" from very early September 2019. Applications will be welcomed from any student including the VI Form. We aim to parade after school every Tuesday, with regular weekend activities. The Squadron will be commanded by Mr Max Lister from the Science department who was a commissioned Army Officer prior to becoming a teacher. Flights of the Squadron will be commanded by school staff assisted by other in-house volunteers. We aim to hold a number of "taster sessions" later in the Summer Term to give a flavour of the RAF experience. Flight Lieutenant Lister will shortly be presenting assemblies to our Year 7 and 8 students, application forms will be made available nearer the time.

## Why Royal Air Force?

Anyone who is or has been a cadet,

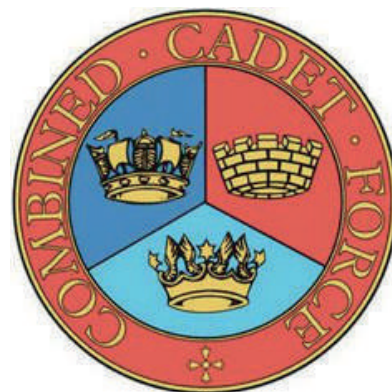
adult volunteer or parent of a cadet will appreciate the opportunities that the RAF can provide. It will offer our students a chance to get active, learn new skills and make new friends in an inspirational and safe environment. This will involve flying!

Our students will gain an invaluable set of experiences and gather strong personal ethics that will equip them for university and beyond. Some cadets do take up a career within the Services, but there is no obligation for them to join after leaving school. Our main aim is to ensure that students develop as confident, spirited and experienced individuals.

Under the guidance of our fully qualified volunteer staff, we will offer your son or daughter a variety of activities and opportunities to build their strengths and improve their confidence. We hope that they stay with us for several years and thoroughly enjoy their membership.

## Your responsibilities as a parent or carer

The RAF will provide most of the kit, however, you are responsible for the care of their uniform, which is valued at around £200 and is issued on loan. It should only be used for CCF activities



and must be returned at the end of their time with us.

Footwear is not included, so shoes and boots will need to be purchased. There will be financial assistance available for Pupil Premium students.

## Your child's safety

Every parent's primary concern is for the safety and well-being of their son or daughter; we take this equally seriously. Many of our activities (often outdoor) rely on our cadets being in a safe, secure and enjoyable environment in which they can sometimes be challenged physically. The CCF's long history is a testament to the expertise and care in this area, so that we can provide the thrills of adventurous training under the guidance of experienced staff.





# Isle of Man Youth Tour

**CSIA student Harry J recently competed in the Isle of Man Youth Tour 2019. Harry paced it perfectly and was incredibly happy with his position.**

Harry finished the race in an impressive 39/70, an excellent start to the tour. During the first road race Harry started strong and held his position in the middle of the group. Harry had to push himself far past his limits on the hills, which he did very well. On a particularly difficult ascent, Harry suffered a physical struggle at the top of the hill which resulted in him overheating and feeling dizzy. However, he bounced back for the 2nd road race. Harry spent the majority of the race in the top 20 and was pleased with his performance.

Due to a number of competitors crashing their bikes on the last lap, Harry was delayed, and therefore had to chase the group back into sight. This is a fantastic achievement for Harry, who is balancing his sport and his academic studies well. We are all incredibly proud of Harry's achievements and wish him luck with his next race.



Focused



Warming up before the race





## Mrs Hosking Wins Teacher of the Year

We are proud to announce that Teacher of PE & Primary Sports Alliance Co-ordinator, Mrs Hosking, was awarded Teacher of the Year in the Devon and Cornwall Sports Awards in January.

The award was presented to Mrs Hosking at a gala dinner at Plymouth Pavilions, by former Olympic athlete, Sharron Davies MBE. The evening included awards for Sports Personality of the Year, won by Olympic Swimmer Ben Proud, as well as Team of the Year and Coach of the Year. "It was a really incredible evening full of inspirational athletes and the award was a complete surprise!" - Mrs Hosking.



## Years 7 & 8 Hockey Derby Success

Congratulations to the Year 7 and Year 8 Hockey teams who both beat Pool Academy in a thrilling local derby winning 1-0 (Year 7) and 3-2 (Year 8). Both games were closely fought, but CSIA came out with the all-important win.

Special mentions are due to Year 7 Player of the Match, Lily M who demonstrated individual skills in both attack and defence, and Year 8 Player of the Match, Emily S who showed brilliant resilience and leadership throughout.





# Nexus Hosts Maths Olympiad for International Guests

**Nexus were extremely honoured and excited to host our International guests on Thursday 2nd May. There were a total of 7 staff and 33 students from our partner schools in Japan, Thailand and Australia.**

The day began with our Nexus students taking small groups of our visitors on a tour of the campus which enabled everyone to get to know one another better and proved to be a great icebreaker for the day. This was followed by a morning of challenging Maths and Science and a hearty lunch.

The afternoon saw our visitors competing in a Maths Olympiad which was tough but enjoyable. The overall

victors of all of the challenges were KVIS from Thailand.

CSIA and Nexus are very proud of our

links with these International Schools and have thoroughly enjoyed showing them the delights of Cornwall in the spring.



Winners of the Maths Olympiad - KVIS, Thailand



# Continuing Success for Former CSIA Student

Having demonstrated great potential as a CSIA student, former student Lewis G has been involved in the Somerset Cricket Academy, developing his cricket skills in the professional environment.

Lewis made several notable contributions within matches, leading to his selection for the England Under 19s squad for the tour of Bangladesh.

Lewis continues to keep in touch with staff and students at CSIA to update them with his progress. On a recent visit to the school, Lewis shared that working alongside the best players in the country was a brilliant experience. He also stated that working with the coaching staff of ex-international cricketers including Michael Yardy was inspirational.

Mr Simmonds commented, "We look forward to keeping an eye on Lewis' development within Cricket. He is a young man with an incredibly bright future on the cricket field."



Michael Yardy presenting Lewis with his England U/19 cap prior to the Bangladesh Test Match

## VI Form Football Academy Success

The VI Form Football Academy's successful season continues with a place in the Cup Final following a dramatic semi-final win against Bodmin College.

Following a gruelling season with fixtures including games against Newquay Tretherras, Truro School, Callywith College and Falmouth College, the team qualified for the semi-finals of the competition. The semi-final was held at Priory Park, Bodmin and proved to be a great experience for all the students involved.

Camborne held a 2-1 half-time lead but suffered the heartbreak of conceding a last minute goal which sent the tie to penalties. Thankfully, the students regathered their composure and comfortably won the penalty shoot-out – with Kieran D saving all of Bodmin College's spot kicks.



Everyone involved is looking forward to the final, however regardless of the result, the students have made incredible progress in terms of their footballing ability. In addition, the squad have developed a fantastic connection throughout the season. From watching a Premier League fixture at Old Trafford to spending the evening ten-pin bowling as part of the Christmas event - the season will be fondly remembered by all students and staff alike.





# Year 12 Visit UCAS Experts

VI Form Year 12s joined experts, university and college representatives and industry professionals at this unique event at The Royal Cornwall Showground.

It was a great opportunity to gain advice on university applications from visiting exhibitors, with over 90 institutions represented. With topical seminars, application process advice, and interactive stands, this event was an experience like no other. The students also got some great freebies!

VI Form students did not hold back on making the most of this opportunity, asking current students from a range of universities what it's really like to study different subjects. It was the perfect opportunity to ask those burning questions that Google just can't answer.

The UCAS exhibition has really kick-started the application process at CSIA. Students will now begin shortlisting their university choices, writing their personal statements and selecting open days to attend.





# Easter STEM Camp Inspires the Next Generation of Scientists!

Fifty-two Year 4 and 5 children from all over Cornwall joined us for three days of exciting STEM-themed activities during the Easter holidays.

In the morning of our jam-packed Day One, the children used their imagination to devise clever 'portmanteau' words; these words are a 'mash-up' of two other



descriptive words. Inspired by the story of Frankenstein, children designed their own monster and then described it using prose containing portmanteau words. The children wrote some fantastic descriptions.

*"On a dreamal night in November, in a lispark, the cronster was born. It has drear ears, teeth as green as a grapple, arms as thick as a grick and lips as straight as a strake."*

The children also had their first taste of 3D design using Tinkercad to create their own models to be 3D printed. The children were hugely creative with their designs- everything from rabbits wearing sunglasses to lorries with faces on their wheels!

The afternoon of Day One kicked off with a hunt for micrometeorites. These amazing fragments of rocks from outer space can be found in rainwater – if you know what to look for. The children filtered rainwater and then used high powered microscopes to identify real micrometeorites.



The second afternoon activity was an engineering challenge where the children had one hour to design, test and then build the strongest, lightest bridge possible. The bridges were then tested to destruction, with the winner being announced at the presentation afternoon on Wednesday.

Day Two, another exhilarating day, kicked off with an enthusiastic game of Wizards, Elves and Giants. The children perfected their 3D objects, made their own indicators using red cabbage and made a rainbow of colours by testing them with a variety of solutions.

They also used brilliant maths to solve a murder mystery, and investigated bouncy problems with springs and elastic. Bungeeeee!

On Day Three, the children made fractal sculptures and explored Fibonacci, honed their debating skills discussing science and philosophy, pondering questions such as "can a robot be ill?" and added the finishing touches to their 3D designs.

Prizes were awarded at the end of the day to the children who had shown the most effort and engagement with each of the workshops, and each child received a certificate. The children also each designed and 3D printed a keyring with biodegradable filament to take home; a reminder of a three sciencetastic days of fun!











## 2019 Ski Trip to Bormio, Italy

**Between the 6th – 13th April 2019 22 students from Years 8 to 13 and 3 teachers from CSIA headed to Bormio, Italy for the annual school ski trip.**

The party arrived at their hotel a little after 5pm on 6th April. Dinner was wonderful with the traditional Italian choice of pasta, pizza and lasagne alongside salads and tiramisu or panna cotta. After showering and settling in, everyone headed to bed for an early night and the anticipation of skiing the next day.

Each of the days of skiing consisted of 3 hours of ski school in the morning, followed by a hot lunch in the hotel and then 2 hours of ski school in the afternoon. Additional skiing sessions were provided at the end of each day with Mrs Haase and Mrs Belshaw before heading back to the hotel for evening activities and dinner.

The advanced skiers were treated to an Avalanche training course with instructors Miki and Julio. This was an incredible opportunity and taught them all how to locate casualties under the

ground using a transponder and then to triangulate their location using rods so they can be dug out quickly.

Evening activities included swimming at the Bormio Terme geothermally heated pool and spa, ice cream and a

22 seconds, even beating Mr Douglas and Mrs Haase (but only just). The ski instructors joined the group for the presentation evening and served hot chocolate and nutella covered treats to everyone.

Early morning on Saturday 13th April a



walk around Bormio, a team quiz and a karaoke night.

On the penultimate day, the much anticipated slalom race was held with awards and medals for the fastest three skiers in each group. James B recorded the fastest time of the whole group, getting down in just less than

very tired, but happy group set off for their return journey to the UK, flying from Gerona to Bristol before being transported home by coach. Each and every skier made huge progress during the week and all of the students were an absolute pleasure to be with.



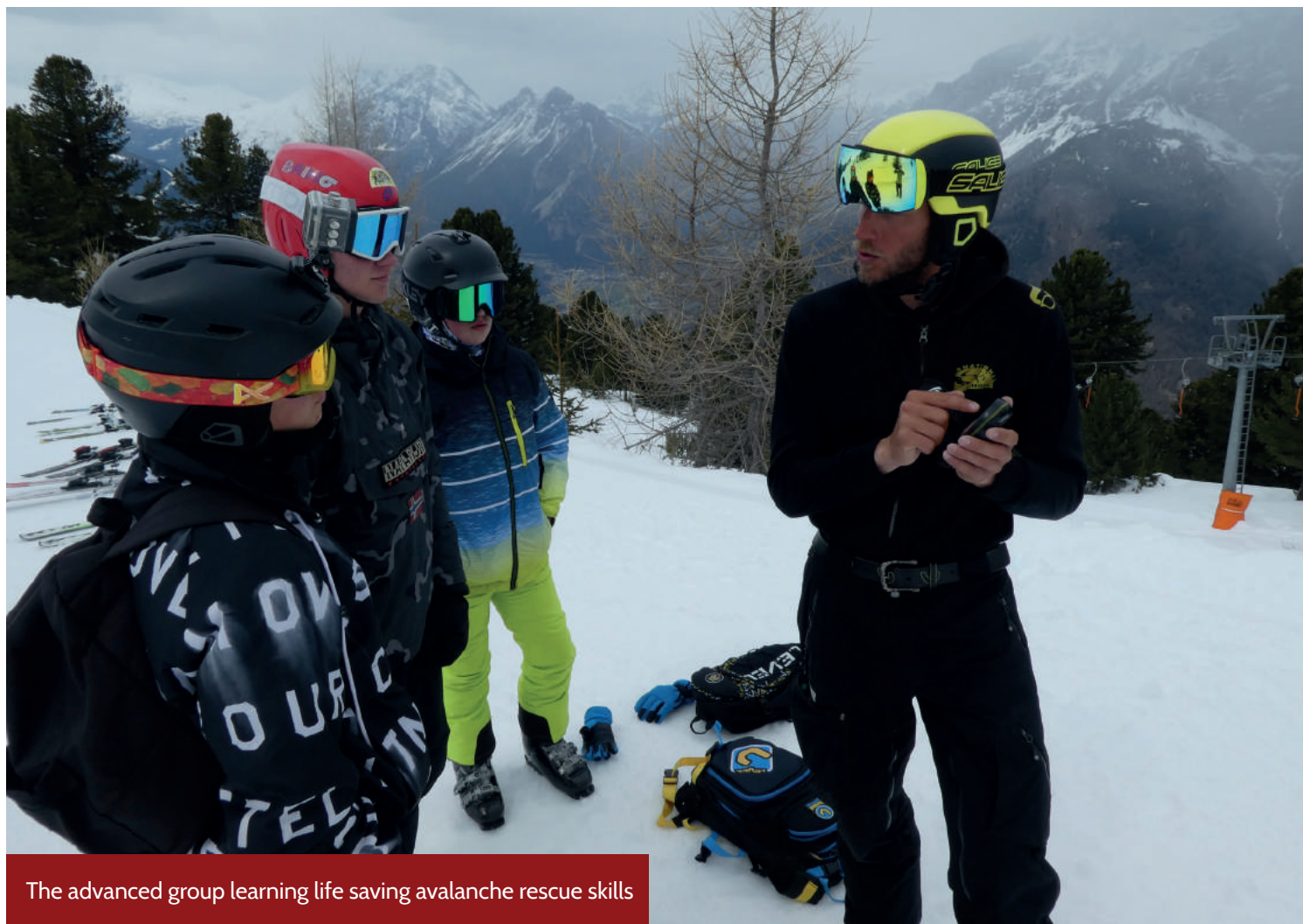


Intermediate and advanced group



The beginner group learning control





The advanced group learning life saving avalanche rescue skills



Students, staff and the ski school instructors





Downhill timed race



Students taking a moment to relax in the snow



## Boys Cricket Teams 2019



In each edition of the Community News, we like to take the opportunity to celebrate and showcase a selection of our fantastic sports teams. In this edition a selection of the school rounders and cricket teams are represented



Y7 Girls Rounders Team 2019





# University of Exeter Excellence Awards 2019

On Thursday 2nd May, 12 CSIA students were accompanied by Dr Foster and their parents to the 2019 University of Exeter Excellence Awards which were held at the Penryn Campus.

This was the 7th ceremony held in Cornwall with the purpose of recognising and celebrating the exceptional achievement of Key Stage 3, 4 and 5 students from 7 local schools and colleges. We feel very privileged to be included as one of the 7 schools.

A wonderful evening was had by all, with amazing guest speakers Dr Nathan Mayne (Senior Lecturer in Astrophysics) and Charlotte Reburn (University of Exeter Student Ambassador & Excellence Awards Alumna) and, of course, the actual awards ceremony.

We are very proud of the following students for their awards:

## YEAR 8 ACADEMIC ACHIEVEMENT

*Emily S and Lucy N*

## YEAR 8 POSITIVE CONTRIBUTION

*Evie R and Liam T*

## YEAR 10 ACADEMIC ACHIEVEMENT

*Erin W and Holly R*

## YEAR 10 POSITIVE CONTRIBUTION

*Josh P and Beatriz A*

## YEAR 12 ACADEMIC ACHIEVEMENT

*Charlie S and Russel D*

## YEAR 12 POSITIVE CONTRIBUTION

*Tilly B-H and Harvey W*



Year 8 and Year 10 award winners: Emily S, Lucy N, Evie R, Liam T, Erin W, Josh P, Beatriz A, Chase B and Holly R



# Dylan Reaches for the Stars

Dylan F-S, Year 9

**We are very proud of many of our students securing workplace experiences that support their career aspirations. Such experiences are incredibly useful in enabling students to explore their futures in preparing for adult life.**

who is one of the Enterprise Advisors for our school. He gave me a tour explaining more about the range of satellite connectivity products that Avanti provide to their partners who include internet service providers, mobile network operators, government services and other satellite operators. I learned about the infrastructure which supports upstream and downstream operations, and he showed me around the different departments responsible for all aspects

Later in the day, I met Dylan who, alongside his colleagues, is responsible for sending the code to the satellites and monitoring the satellites' movements on a live feed to spot anything that could indicate there is a problem. Then an engineer from BT arrived and took me to look at one of the big antennas. It was really interesting to look inside at all the hardware while he explained more about circular polarisation, disruption, how they worked and why some antennas need to be bigger than others. They also explained that they have an exact copy of this antenna at Zennor after a study showed that the two locations usually have a different micro climate. This means if the signal is struggling due to moisture they can switch antennas.

After being shown the antennae, we met Antonio, who is responsible for calculating how to correct the positioning of the satellites with the least fuel consumption. He showed us the satellites' recent movements, how his predictions were similar and how he had developed the formulae to calculate this. He explained that a satellite needs to last around 15 years so fuel consumption needs to be at a minimum as it can't be refuelled. He also showed me a really interesting image of Earth proving it is not actually smooth but more like a giant meteoroid in shape which is particularly significant for GPS satellite systems.



Here, Dylan F-S reports on his recent visit to Avanti Communications.

In April I was lucky enough to be given a tour of Avanti, an industry leading satellite communications company based at Goonhilly Earth Centre near Helston. It was an amazing opportunity and I was fascinated to learn more about all aspects of satellite communications and particularly the operation of the HYLAS satellite fleet.

On my arrival, I was greeted by Mark

of their satellites (HYLAS 1 2 2B and 4). The HYLAS fleet use the latest Ka-band technology to ensure high speed, reliable and secure communication. We went to see the testing department who are responsible for running simulations of what they want to do with the satellite to ensure it will work before they try it on the real thing, as their satellites are their greatest asset and any failure would be catastrophic and cost the company significantly. Sometimes they will test it up to eight times to see if it will work before doing it to the real thing.

I really enjoyed my visit and the opportunity to learn more about the diverse range of job roles available in Satcoms. I hope to be able to undertake work experience with Avanti in the future. I would like to thank Mark and the team at Avanti for taking the time to show me around and for making us so welcome!

Overall I had a brilliant time visiting Avanti. It has really inspired me to think about my future plans.





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