

NETWORK

Cherrybrook Technology High School

Term 2

Week 6B

7 June 2019

DEPUTY PRINCIPAL'S REPORT



Using Technology Responsibly

A couple of weeks ago I wrote to you regarding the Office of eSafety Commissioner campaign about starting the conversation with our kids about online safety and behaving responsibly when online. Many of the issues we face at school are a direct result of incidents which occur on social media or online chats and predominately occur in the family home and outside of school hours. These incidents then spill over into our classrooms and the playground.

At the beginning of each year I reinforce the three Golden Rules at assembly for each year group. The second rule is not to talk about other people by starting rumours or writing or posting images and messages on social media platforms and chat rooms. If you are not willing to say something to someone's face, then please do not

say anything at all.

As a reminder to parents, can we suggest you start the conversation with your child about communicating using technology responsibly and how important it is to protect your digital footprint. Unfortunately many things which happen during adolescent years can now resurface later for students when they are seeking employment, university or wishing to travel. I would also like to remind students, taking pictures and distributing pictures of someone without their permission does have consequences. It is very important we respect and protect the privacy of you the individual and others. The use of mobile devices to take photographs/videos at school of students and staff without their permission is an invasion of privacy.

With our children spending so much time in the online world it is so important we start these conversations and be aware what our children are saying or posting and the apps/websites our children are visiting. If you are concerned about image-based abuse or inappropriate comments online, please contact The Office of eSafety Commissioner to lodge a complaint or report inappropriate content. The link is provided here <https://www.esafety.gov.au/complaints-and-reporting>.

Trivia Night

The CTHS Trivia night will be held on Friday 28 June. It is a fantastic night with fun had by all and has always been very well supported by the local community. Tickets are available via the CTHS website and are selling fast, so you will want to get in quick! See the flyer within this week's *Network* for further information about this event.

Volunteers' Luncheon

On Wednesday, our Year 11 Hospitality students prepared a High Tea to thank the volunteers who give up their time to support the initiatives in the school. Firstly I would like to thank all the volunteers who work and give up their time to support the students in our school. I would also like to thank our Canteen Managers for their organisation of what was a wonderful event. Finally a huge thank you to the Year 11 Hospitality students who prepared our delicious feast of scones, jam and cream, delicate cakes and biscuits and the wonderful sandwiches; and to Mr Fisher, Ms McColgan and Mrs Favalaro for their hard work in supporting our students behind the scenes.

Responsible Driving

Any students of legal driving age who intends driving a vehicle, must adhere to road rules and drive in a safe responsible manner. If you are fortunate enough to be allowed to drive to and from school you must complete a Student Car Registration form available from Ms Adamou. Please be aware, the streets around CTHS and John Purchase Primary School are very busy before and after school with children and parents. Patience and adherence to road rules at these times will ensure everyone's safety.

Year 7 Parent/Teacher Interviews

A reminder to parents, Year 7 Parent/Teacher Interviews are scheduled for Tuesday 11 June (Week 7). If you have a child in Year 7, you can access your Parent Portal and book a time to meet your child's teacher to discuss their progress. This booking window will close on Sunday 9 June at 5.00pm.

Year 8 and 11 Parent/Teacher Interviews

Parent/Teacher Interviews for Years 8 and 11 were held on Tuesday night of this week. The night was well attended, with very productive conversations between teachers and parents about their child's achievements and ways to improve. If you were unable to attend on the night or could not obtain a booking to see your child's teacher(s), please email the school on cths@cths.nsw.edu.au and attention the email to the teacher(s) concerned.

Network for Week 7

Please be aware, there will not be a *Network* next week.

Mrs Gatt

Achieving Together

Principal: Mr G Johnson
Deputy Principals: Mr M Townsend, Mr B Clements, Mrs A Gatt

Address: 28-44 Purchase Road, Cherrybrook NSW 2126
Phone: 9484 2144
Web: <https://cths.nsw.edu.au/>
Email: cths@cths.nsw.edu.au

Volunteers' Luncheon



Volunteers' Luncheon



Our Robot - EV3

In our Robotics class, Neha and I have been busy with Lego Mindstorms EV3 kits. Before we began our project, we created a goal, to create a robot that would not crash into walls and obstacles. To fulfil this goal, we first built the base of our robot, which features the powerful, programmable EV3 block and two motors, which control each of the robot's wheels. To this base we added an extension which holds an ultrasonic sensor, the 'eyes' of our robot. Several classes of hard work later, we were ready to have our first test run, we plugged in our beloved creation into a desktop and programmed the brick. We told it to move forward and move forward it did! Soon, we were experimenting with getting our robot to spin, turn and move forwards and backwards in multiple directions.

Now, we are working on the real challenge, programming our little robot to utilise its ultrasonic sensor and avoid driving into walls. Our initial program went like this: When the start button is clicked, the robot will move forward continually until it senses an object within 10cm of the ultrasonic sensor. If such an object is sensed, then the robot will stop and reverse several centimetres. Despite the apparent 'simplicity' of such code, getting our robot to successfully do this required a number of failed attempts and refining, but we succeeded. Since then, we have been developing the code further and adding extra complexities. Now, whenever our robot sees a wall or obstacle, it will also emit a warning chime of three notes, reverse and turn around to face the other way, ready to start again.

We have found so much joy in working on our robot, which we have grown very fond of. Finding new ways to program it has been both challenging and deeply rewarding. Neha and I are looking forward to seeing what else we can make our amazing little robot do!

Jessie Kristo, Year 9

Ms Emaneni



The Future Project - Project Displays and Presentations

What is The Future Project?

"Students collaborating with Scientists and Engineers, solving real-world problems and communicating this innovation to the broader public."

Four Year 11 students from Cherrybrook Technology High School were selected last year to be part of The Future Project in 2019. An initiative developed by The King's School and directed by Dr Vera Munro-Smith, in partnership with a number of other schools and Research Scientists from Science organisations such as Sangui Bio, Quantal Bioscience and Aegros.

Last Wednesday evening, Yvonne Huang, Rohan Agarwal, Michael Ross and Alexander Ross presented an introduction to their projects for parents and teachers in The King's School's Science building.

Yvonne and Alex have been working with a mixed school team under the supervision of Aegros Research Scientist, Truc Nguyen. They presented a summary of their project, explaining how they are investigating if graphite can be used to replace platinum-coated titanium electrodes in electrophoresis. In this process, proteins are extracted from human blood plasma. These proteins can be used to make cheap, life-saving medicines for third world countries. Their presentation was extremely detailed and informative and won them an award on the night.

Rohan and Michael have been working with a mixed school team under the supervision of Quantal Bioscience Research Scientist, Michelle Bull. They presented a summary of their project explaining how they are analysing different samples of Bondi Beach sand and testing the samples using a variety of applications (Galaxy Europe, Krona, Qiime and Phinch) so they can visualise the data. This analysis revealed the beach sand contains substantial amounts of the fungi *Candida* and *Acremonium*!

These research projects will continue throughout the year culminating in a final Presentation Night in November. Congratulations to these students for a wonderful Presentation Night.

Mrs Siratkov, Head Teacher Science



Walk and Wonder at Woolworths

Our Year 12 Food Technology class recently made their annual visit to Cherrybrook Village to attend the Woolworths establishment. Fortunately the weather cooperated and the walk to the village was uneventful.

Upon arrival, we quickly located the store manager and began our tour of the bakery section. The bakery Manager, Rachael, was busy with the production of their weekly special, which was choc-chip cookies. She informed us, so far that week she had made over 200kg of the product...wow!

Our next department was the deli where the manager was very knowledgeable about the 1,600 different products they offer. This was followed by the green grocers and fish monger departments, both of which shared many valuable insights into their day-to-day functions.

We were then escorted out the back of the store to the online orders department. This area is responsible for click and collect orders and home delivery. The manager for this department shocked us by saying their pickers (online stock selectors) are able to complete a shop for 100 items in 25 minutes!

Our final stop on the tour was the delivery section where we were shown the cardboard compactor, the -250C freezer and the place where over 60,000 different store items are delivered.

I was extremely impressed with my class and their level of participation with the host manager, as well as all the other department managers. We did a lot of steps that day and were rewarded with choc-chip cookies by the bakery manager.

I would like to thank our Second in Charge host Manager, Josh, as well as all the section department managers who freely gave up their time to help the class learn more about the Woolworths organisation.

Mrs Robinson, HT TAS



Double Mock Trial Success

Students in Years 10 and 11 have recently been successful in winning the second and third rounds of the NSW Law Society Schools Mock Trial Competition.

In the second round, our students successfully prosecuted a criminal charge of assault. On that occasion, the opposing school was Oakhill College. The trial judge commended our students on their thorough preparation, teamwork and the persuasiveness of their arguments. Though humble in victory, students seemed to relish the opportunity to beat a local private school.

The third round of the Competition was held on Thursday 20 May and involved our students travelling to Tangara School for Girls. During the trial, students were allocated the role of responding to a negligence action against 'Westfield', an invented shopping mall in inner Sydney. Cherrybrook was ultimately successful in winning the legal arguments made and in winning the trial by scoring more points than their opponents. All students involved in both trials should be very proud of their achievements!

Those students included, Charlotte Cameron, Madison Pryor, Sophia Koller, Shalena Brito, Kacey Shin, Arabi Sathiyapal (Year 11); Lara Flaksbard and Joel Macbeth (Year 10).

The next trial will take place on Tuesday 11 June at 4.30pm at CTHS against Redfield College. Spectators from the school community are warmly welcomed.

Mr Fernandez



CSI in the Ancient World - Hands on Archaeology Project

At the beginning of this term we began excavating ancient artefacts from small containers. These containers were filled with hard dirt and each of them had one or two artefacts in them. We used some specific tools to remove the artefact from the dirt, these included paddle pop sticks and small brushes. The class found lots of different items, including vases, coins and lamps, and our group even found an ancient carved idol from Bulgaria. This excavation took about three weeks. After the class successfully excavated their artefact, some groups had found broken parts which belonged to another group's artefact which meant those broken pieces needed to be glued together in order to make the artefact complete. Each group had to do research about their excavated artefact. We then compiled all of our research and hard work and created a mini exhibition based on our artefact/s. We had two classes come to see our exhibits. They came and looked at what we had dug up and asked questions about our artefacts and the elective itself. We had a great time excavating, researching and presenting our artefacts. The excavation gave us an insight into what it would be like to dig in a real excavation site.

Thank you, Mr Bracken, for giving our class the opportunity to learn more about the work archaeologists do in a fun and exciting way.

Lucinda Choy and Tamazin Cleland, Year 10

Mr Bracken



Modern History Study Day

On Thursday 6 June, Mr Hartman and Mr Lamont accompanied our two Modern History classes to the HTA HSC Study Day held at Sydney University. Students had the opportunity to attend a number of lectures covering our topics and all gave positive feedback about the content provided. Highlights included the lecture on the new Civil Rights topic, which laid many minds at ease and Exam Strategies lecture which affirmed we are already engaging in best practice when it comes to HSC preparation at CTHS. Jasmine Lindley and Kieran Frank give their impressions below.

Mr Hartman

Yesterday's excursion was quite useful in developing our understanding of the topics we are studying in Modern History. The lecturers, who are extremely knowledgeable in our topics, were able to present a simple and clear overview of the content whilst also providing relevant detail. Being able to hear different views and information from experts will be very useful in essay writing as it will enable our writing to stand out from other individuals. Additionally, the modern history exam lecture gave us an overview of the exam and what it consists of, enabling us to understand what is to come, how to prepare and how to tackle it in the best way. In conclusion, the day was extremely useful in expanding our knowledge while also equipping us with tools needed to complete the HSC exam to our best ability.

Jasmine Lindley

On Thursday 6 June, we attended a number of lectures about various parts of our course as well as a lecture regarding the HSC exam, with tips and suggestions being offered to assist them in tackling the final exam. I found the day to be of great value, the presenters were informative and knowledgeable. They reviewed the syllabus, indicated its most important parts and gave us a different perspective that will really assist us in our exams. Overall, it was a valuable day that will undoubtedly be important in helping us in our exams.

Kieran Frank



Brazilian Visitors

On Thursday 30 May, our school received 54 Brazilian education representatives made up of Principals, school owners and representatives of businesses associated with education standards in Brazil. The CTHS Student Executive, accompanied by Mr Johnson, Mr Clements and later in the day, the Senior Executive, had the wonderful role of greeting, providing school tours for, and sharing lunch with, our wonderful guests who seemed truly ecstatic to see our very different school. For the Executive Students, the experiences were one which truly humbled them and learning about the significantly different education in Brazil put into perspective how truly lucky we, as Australian students, are with so many opportunities and so much support. It turned out to be a really great day filled with many laughs with new friends and far too many futile attempts at speaking Portuguese.

Adam Bourne, SRC Public Relations Representative



Sports Report

Zone Cross Country

Congratulations to all students who participated in the Zone Cross Country last Wednesday. All students competed extremely well on what is a very difficult cross country course. As a school CTHS came second in the Carnival. Congratulations to all students who qualified for the Area Cross Country later this term.

A special congratulations to two students who came first in their age group at the Carnival:

Kayla Osborn - 13 Girls

Milena Visser - 15 Girls

Zone Athletics

This coming Wednesday a team of students will be participating at the Zone Athletics Championship. This is going to be a great day of athletics and we wish all athletes the best of luck for the competition. Please note if for some reason you know you will be away or are feeling sick before the day please contact one of the PE staff so we can ensure we find a replacement to ensure we have a full team. Please also ensure you have returned your notes and Mr Vaux knows whether you will be taking the bus or are being driven there.

Knockout Hockey

Unfortunately, last Friday our Knockout Hockey Team suffered a loss in their first round game. The game was very tight and the team put up a great challenge, but ultimately, fell short at the end. However, this team did perform extremely well considering a large number of the boys were in the younger years. We look forward to seeing this team grow in the coming years.

Upcoming Events

Wednesday 12 June - Zone Athletics Championship

Wednesday 21 June - Sydney North Cross Country

Ryan Jones and Ellen Berios, Sports Captains



PROCEDURE FOR EARLY LEAVERS

If a student needs to leave school early, they **must** provide a note from their parent/guardian giving reasons for their partial absence. **The student must hand the note in at the student window before 8.30am** where they will be issued with a leave pass. They can then present this pass to their teacher and leave school at the appropriate time.

On Thursdays (sport days) all students in Years 9-11 **MUST** have their early leave notes signed by a member of the PE staff before presenting to the office.

PROCEDURE FOR LATE ARRIVALS

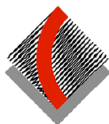
All students arriving to school after 8.40am **must** sign in at the student window where they will be issued with a late note. All late arrivals are required to have a note from their parent/guardian giving reasons for being late. No note results in a detention.

CLOTHING POOL

CHERRYBROOK TECHNOLOGY HIGH SCHOOL UNIFORMS

If you would like to purchase second-hand Cherrybrook Technology High School uniforms, the First Cherrybrook Scout Group operates a clothing pool for your convenience, through kind donations from the CTHS community.

For more information please email uniforms@cherrybrookscouts.com



For details of opening times, please go to
<https://cherrybrookscouts.com/cths-uniforms/>

First Cherrybrook Scout Hall, Appletree Drive, Cherrybrook



Careers Update

Encounter Careers

Encounter Careers hosted representatives from the Australian Defence Force last Wednesday at lunchtime. A very comprehensive overview of life in the Defence Service was presented. The process of recruitment was outlined, with many assurances, recruiters are there to support students throughout the process.

Year 12 students interested in an ADF Gap Year should apply NOW!

Defence careers information sessions nearest to you:

Tuesday 11 June: Sydney - Trades in Defence
Tuesday 11 June: Sydney - Music Careers in Defence
Thursday 13 June: Army Officer Facebook Q&A

<https://www.facebook.com/pg/DefenceJobsAustralia/events/>

How do you choose your HSC subjects for Years 11 and 12 from University of Sydney?

Starting uni seems so far away, yet here you are choosing your HSC subjects so you can achieve an ATAR and apply to do a Degree at uni. So how do you make the right choices for you? And should you worry about subject scaling? The HSC is a long road and it's the right balance of hard work, dedication and enthusiasm which will help you succeed. Apply this to any HSC subject and you will give yourself the best chance possible.

<https://sydney.edu.au/campus-life/student-news/2018/03/06/dos-and-donts-of-hsc-subject-selection.html>

Mathematics Prerequisites Course Listing - University of Sydney

A listing of courses with Mathematics requirements is included in the link below. To apply for some courses, students are required to complete Mathematics through their high school studies. The university has introduced Mathematics course prerequisites for some courses from 2019 to help students thrive in their Science, Technology, Engineering and Mathematics related Degrees and prepare them to tackle future career challenges.

<https://sydney.edu.au/study/how-to-apply/undergraduate/mathematics-prerequisite.html>

Studying in the USA

Interest in studying in the US is becoming so popular the SAT Testing Centres in Sydney are reaching capacity well before the registration deadline. Given these test seat limitations, it is imperative for students to plan ahead. To help with this, we have included the SAT and ACT Standardised Test dates, as well as 2019 SAT Subject Test dates. To learn more about SAT Subject Tests we invite you to read our article titled '[Optional standardised tests for admission purposes to US uni's - who should take them?](#)' We have also updated an article which [summarises the SAT and ACT](#) as well as an article which provides an overview of the [US admission process](#).



Studying in the USA - Standardised 2019 Test Dates and Information here:

<https://www.internationallyeducated.com.au/single-post/2019/02/27/2019-Standardised-Test-Dates>

The University of Melbourne Interstate Students Information Day

Friday 12 July, 8.30am-6.00pm, [Kathleen Fitzpatrick Theatre](#), Parkville campus. The day will focus on aspects of the university which are of greater concern to interstate students, such as the application process, scholarships, student services, accommodation options and financial assistance. Participants will have an opportunity to ask current University of Melbourne students, who have come from interstate, about their experience and how they managed the transition. [REGISTER NOW](#)

Secure the Future with a TAFE NSW Bachelor of IT Degree (Network Security)

With unprecedented demand for professionals who can secure and monitor IT systems and protect the privacy of people and organisations, this Degree prepares students to work in a fast-growing and dynamic field. More info <https://www.tafensw.edu.au/degrees/bachelor-of-information-technology-network-security>

Your Free Guide to a Career in Exercise Physiology and Exercise Science

What is the difference between an Exercise Physiologist, Sports Scientist and Exercise Scientist? According to Exercise and Sports Science Australia (ESSA), there is a distinct difference between these three professions.

<https://www.myhealthcareer.com.au/exercise-career/>

An Opportunity for Maths, Geography and IT Students Looking for Work Experience

The NSW Surveying Taskforce helps facilitate work experience opportunities between professional surveyors and students with a love of STEM subjects. The Surveying profession is currently experiencing a skills shortage. As such, industry members are passionate about introducing this important area to young people. To register, students should visit:

<https://www.alifewithoutlimits.com.au/secondary-students/>

Mrs Ferguson and Mrs Key



FOOD DRIVE

IN THE LIBRARY AND STAFFROOM!

*overdue library fines can be waived with a donation
(please see library staff)



- Deodorant, shampoo and body wash
- Sanitary items
- Canned fruit, vegetable and soup
- Pasta, baked beans and rice

Accepting non-perishable food, alcohol-free and
tobacco-free donations

FRIDAY THE 28TH OF JUNE

The CTHS Trivia Night

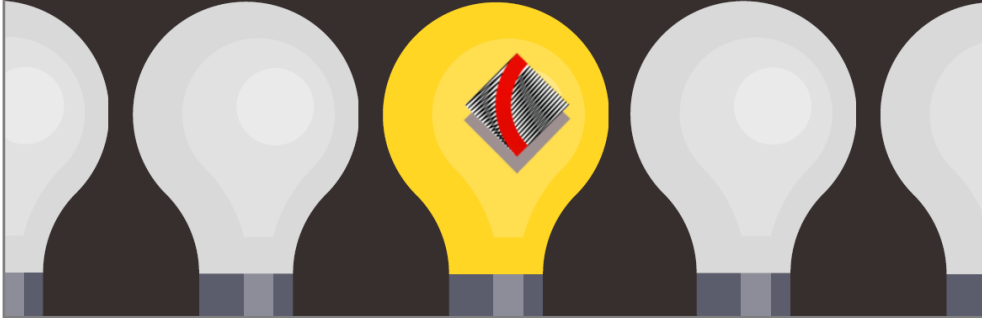
TIME: 7PM

VENUE: CTHS MPC

COST: INDIVIDUAL TICKETS - \$15, TABLE OF TEN - \$120

<https://www.trybooking.com/BDAIM>

BYO NIBBLES. NON ALCOHOLIC DRINKS AVAILABLE FOR PURCHASE ON THE NIGHT. CASH ONLY. THIS IS A STRICTLY ALCOHOL FREE EVENT. PLEASE COME ALONG FOR A GREAT NIGHT IN SUPPORT OF THE SMILING HEARTS ASSOCIATION FOR CHILDREN (SHAC) CAMBODIA.



SCHOOL UNIFORMS

CHERRYBROOK TECHNOLOGY HIGH SCHOOL

BLACK WOOL PULLOVERS

~~\$89.99~~

\$35
EACH
*ALL SIZES

ONLINE & INSTORE AT LOWES CASTLE HILL.

*Whilst stocks last, not in conjunction with any other offer.

Cherrybrook Ball

SATURDAY 29th JUNE

**FEATURING THE
CTHS BIG BAND**



7 - 11pm CHERRYBROOK TECHNOLOGY HIGH SCHOOL MPC 3 COURSE DINNER B.Y.O. ALCOHOL
COST: \$80 PER HEAD 18+ ONLY DRESS CODE: FORMAL TICKETS: <http://cths.nsw.edu.au>

CALENDAR - Term 2 Week 7A

Monday 10 June	<ul style="list-style-type: none"> • Queen's Birthday Holiday
Tuesday 11 June	<ul style="list-style-type: none"> • LOTE Year 8 French Incursion - MPC • HSC Assessment Task - Mathematics Standard 2 • HSC Assessment Task - Mathematics Standard 1 • HSC Assessment Task - Mathematics • Year 7 Parent/Teacher Interviews - 4-7pm, MPC
Wednesday 12 June	<ul style="list-style-type: none"> • Year 12 High Achievers' Morning Tea • Zone Athletics Carnival • Year 9 Stand Tall
Thursday 13 June	<ul style="list-style-type: none"> • Year 7 Cyber Shorts P1, 2, 3, 4 • HSC Assessment Task - Investigating Science • HSC Assessment Task - Mathematics Extension 2
Friday 14 June	<ul style="list-style-type: none"> • Year 8 Reports available via Parent Portal • ELC HSC Economics Conference • HSC Assessment Task - Software Design and Development