

NEWSLETTER

Community Opportunity Success in a caring learning environment

Alexandria
Park
Community
School is on
Gadigal
Land

Term 3, AUGUST 2018

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BOOK WEEK PARADE 2018





PRINCIPAL'S REPORT

Much to read about and enjoy in this newsletter – so many events activities, and opportunities for our students from K – 12.

Education Week August 6 - 10

We 'officially' celebrated Education Week at APCS with open classrooms where parents and other family members were able to visit and spend some time immersed in morning learning activities.

Many parents were able to view the 'fly through' of the new school build showing the open plan learning spaces which will enhance future focused teaching and learning, flexible classroom design, and collaborative and project based learning opportunities.

At the end of Education Week I reflected on 'the week that was' at Alex Park and was amazed at the number of stimulating and engaging activities that occurred just as usual business at our school.

Here's some amazing things that our school community achieved together in just one week.

- A wonderful 'Night at the Museum' showcasing the final assessment project work by year 11 Modern and Ancient History classes.
- KF's hosting of the primary assembly and the exceptional public speaking skills demonstrated by all the Kindy students in the class
- A hard fought girls basketball match against The Jannali High School
- Stage 3 camp - much thanks to all the staff who went on this 3 day 2 night camp and our year 5 and 6 students who had a most wonderful time.
- A formal farewell assembly and morning tea for our visitors from the Gansu Province
- The Big Science Big Fun K - 2 event
- The launch of Science Week with Year 7 and 8 students addressed by Tanya Plibersek, CSIRO representative Tanya Bowes and Scientist Dr Samy Movassghi about the future of employment and opportunities in STEM courses and industries.
- Subject selection information evening events for students and parents of years 8 and 10
- Executive conferencing with year 10 students to provide expert personalised advice on subject choices for the HSC
- The morning fitness club still going strong 3 morning a week
- Our artist in residence K - 12 dance group continues to rehearse
- The Kindy Aboriginal dance lessons.
- The Band programs (primary and secondary) and the senior primary contemporary dance group.
- Another successful High School tour
- The year 10 debating team participating in the Australian Disputes Centre invitational comp.
- Additional weekend classes for year 12 in maths, design and technology, Visual arts to allow extra time to complete major works ready for HSC markers
- The primary and secondary after school homework clubs.

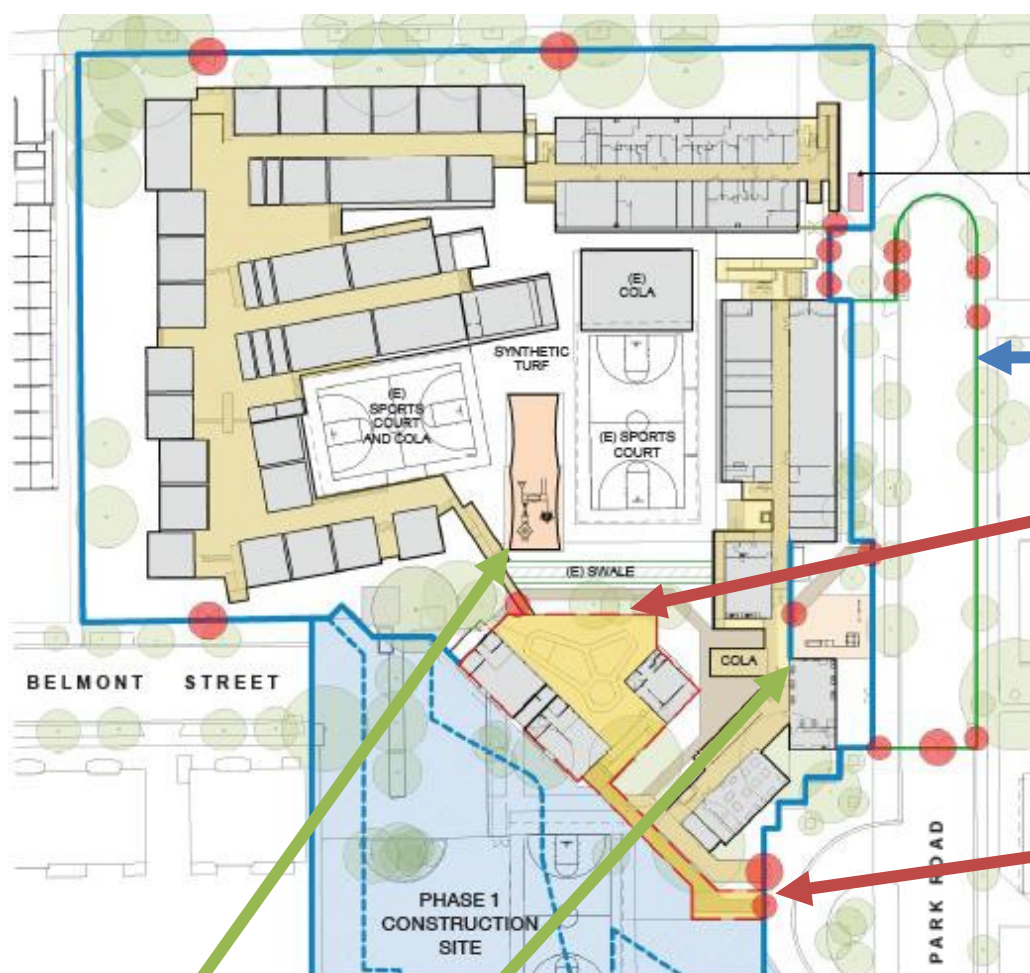
Book parade

Another wonderful parade with students, staff and some parents dressed up as their favourite book characters. Much thanks to Ms Page who did an awesome job on the day as our parade coordinator.

PARK ROAD CLOSURE

Dear parents and carers,

As a part of the redevelopment of Alexandria Park Community School, the initial works for the closure of Park Road will commence during the week beginning Monday 27th August. The road closure is part of a scope of works that will provide our students with additional play space pending the relocation of Wunanbiri Pre-School.



New fence to be erected around existing Park Road to create additional play space exclusively for APCS students during school hours.

New location of Wunanbiri Pre-school. Fences will be constructed to establish a separate site for Wunanbiri buildings and playground.

A separate secure entry gate will be created exclusively for Wunanbiri families.

The playground equipment will be relocated in two sections. The first section (pictured right) will be relocated to the astroturf area between the basketball courts. The safe zone (softfall) and shade structure will also be relocated to this area.

The remaining equipment will be relocated to the grass area near the primary hall.



Park Road Works

From Tuesday 28th August, the black palisade fencing, which is situated along the footpath of Park Road will be relocated behind the tree line, just in front of the primary hall. These works will not affect parking or drop off/pick up arrangements.

AT 5:00PM FRIDAY 31ST AUGUST, PARK ROAD WILL BE OFFICIALLY CLOSED TO ALL TRAFFIC.

From Monday 3rd September, new fencing will be erected around Park Road. The boundary of this fencing can be seen in the diagram above. The fenced area will be for exclusive use for APCS during school hours. Pick up and drop off arrangements will change. Details of these changes can be found further below.

Relocation of Wunanbiri Pre-school

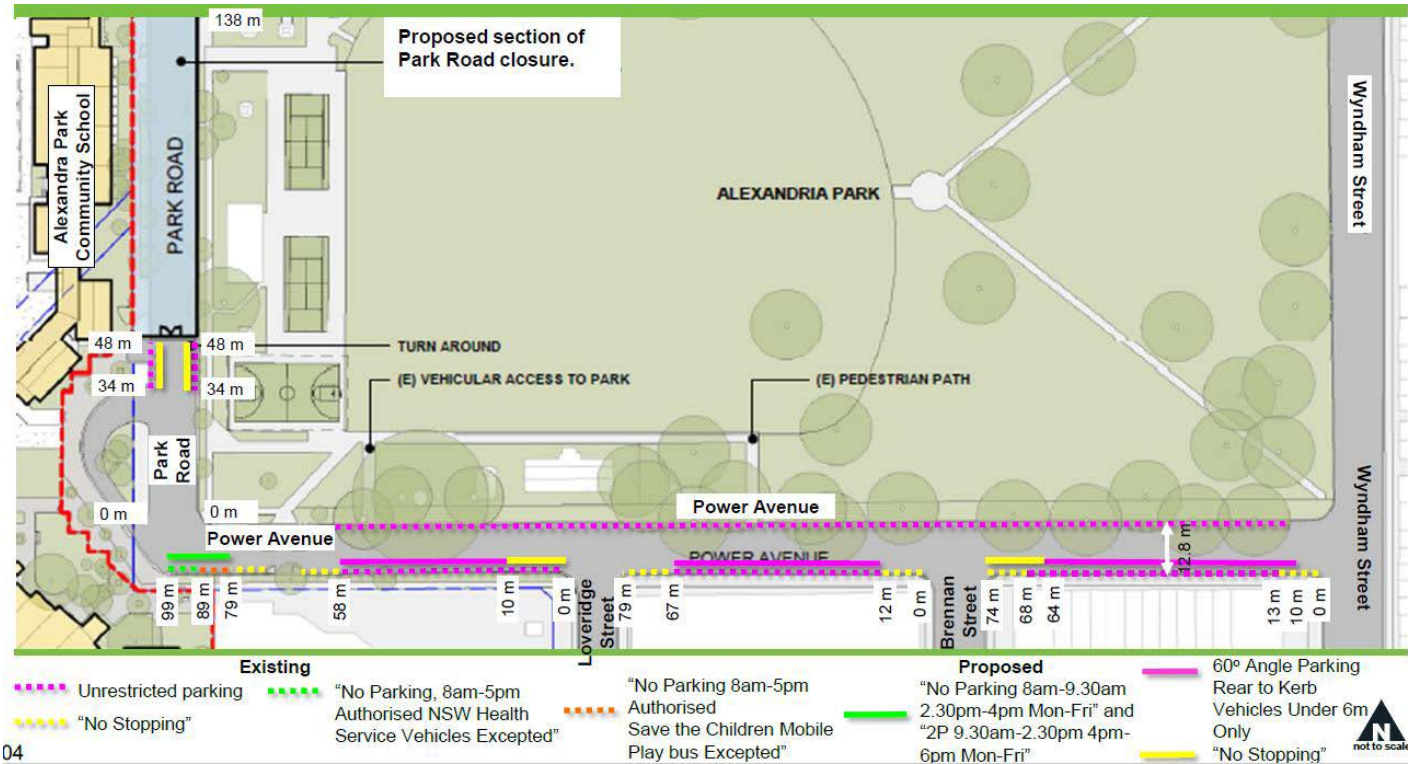
From 10th September, initial works to relocate Wunanbiri Pre-school will commence. To begin, temporary construction fencing will be erected and the area will be secured. Demountable buildings will then be brought onto the site and permanent site fencing will be constructed.

Play Equipment to be Relocated

The existing playground equipment will be relocated in two sections. The first section will be relocated to the artificial turf area between the two basketball courts. The shade structure that covers the equipment will also be relocated to provide shade to this section of the equipment. The other (smaller) section will be relocated to the grass area located between the primary hall and science lab. This section will be secured by fencing and gates that teachers will be able to access to take groups of students to use the equipment when appropriate.

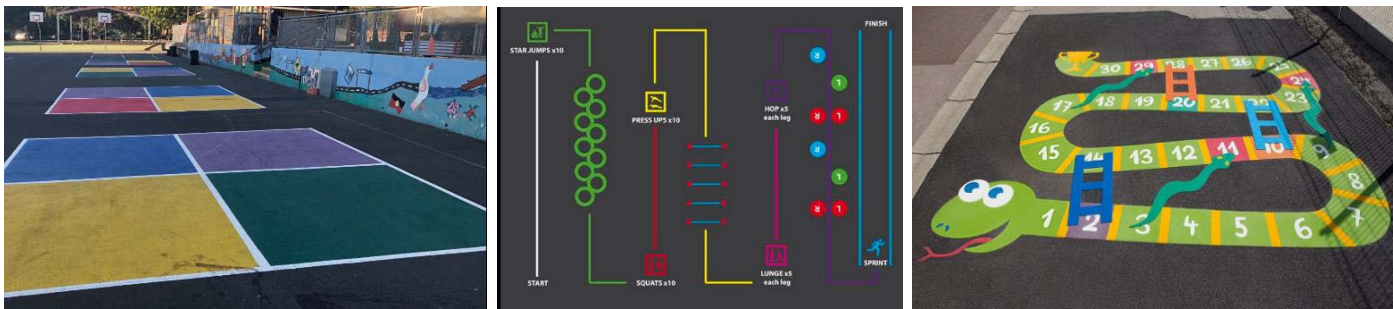
Parking Changes

Please see below map for changes to parking on Park Road and Power Avenue. Please note that there will be **NO PARKING ON PARK ROAD FROM FRIDAY 31ST AUGUST AT 5:00PM**. However, line marking to create additional car spaces on Power Avenue will occur between Tuesday 28th and Friday 31st August. There will be no loss in the total number of car parking spaces in the Park Road & Power Avenue area.



Road Designs (SRC)

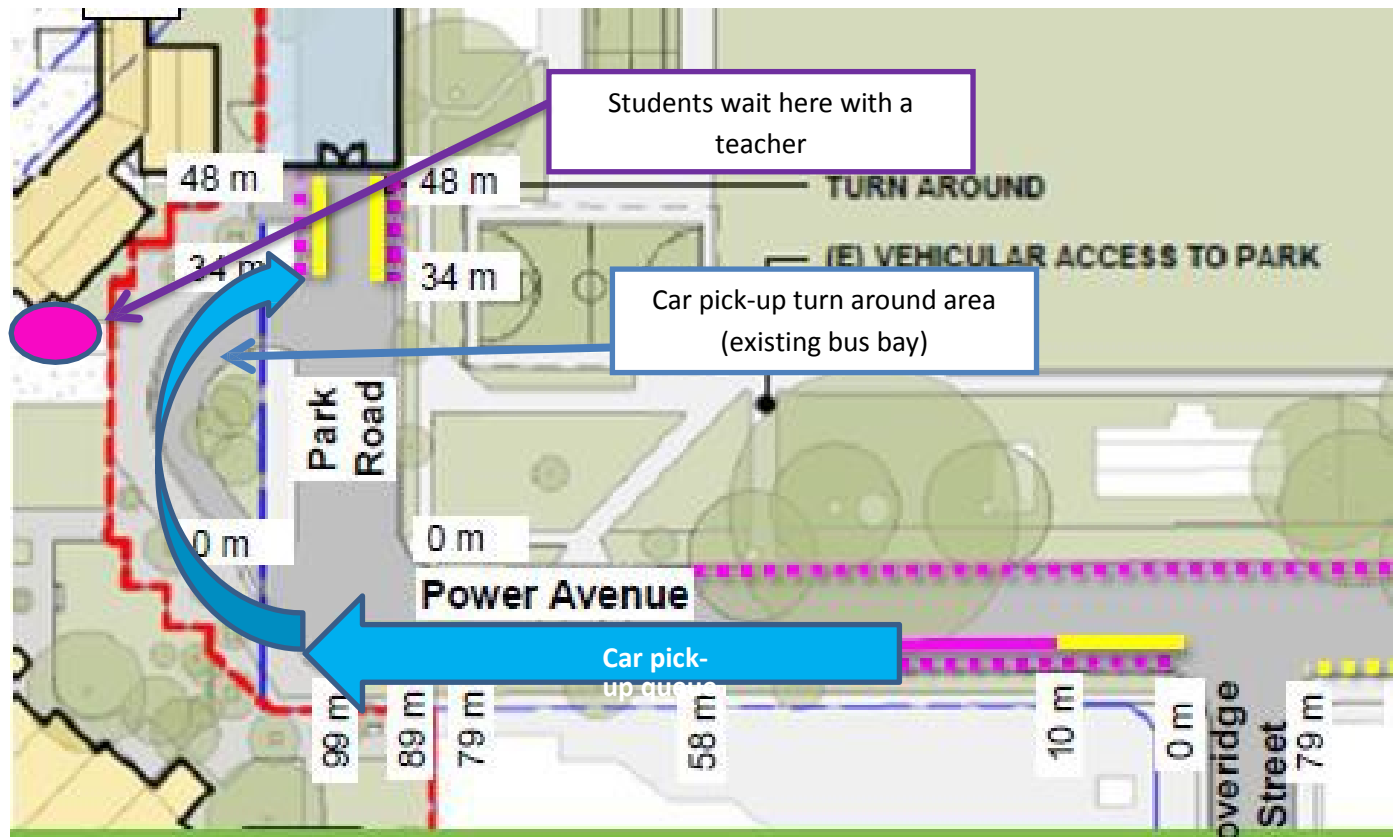
When Park Road is officially closed and fenced, there will be artwork and playground games applied to the road surface to make this an appealing and exciting play space for students. The primary and secondary SRC teams have been meeting to discuss the kinds of designs they like and dislike and will be working with designers to ensure Park Road is a play space that is appealing to Alex Park students. An example of some of the designs the SRC teams have been looking at can be seen below.



Drop Off and Pick Up

The following changes will be made to morning drop off and afternoon pick up arrangements **FROM MONDAY 3RD SEPTEMBER**. For everyone's safety, please ensure you follow these routines:

- All cars are to use the existing bus bay to drop off and pick up students
- Whilst waiting to enter the bus bay, cars will queue along Power Avenue (no cars are to overtake in an attempt to reach the front of the queue)
- In the afternoons, students will wait in the pick-up waiting area (just inside the bus bay gate) supervised by a teacher. The teacher will supervise students entering vehicles.
- If a student is not at the waiting area when a parent/carers arrives in their car, each car will be given 2 minutes to wait in the bus bay before being asked to move on and join the queue again
- Once students are safely in vehicles, cars exit the bus bay and travel along Power Avenue



Access to the School/Main Office

The main access points to the school and front office will remain the same. The gates at the end of Park Road are unchanged and are the best point of access to go to the front office. You are still able to access the school from the Buckland Street, Belmont Street and Bus Bay gates.

Some additional gates will be installed with the new fencing that will surround Park Road. However, these will be locked during the day to provide a secure play space for students. These gates will be opened after school hours and on weekends to enable the community to access Park Road as a play space.

The pedestrian footpath on the tennis court side of Park Road will provide the main pedestrian access from Power Avenue into the school.

Camp Australia

Camp Australia will continue to operate before and after school

care as they have throughout 2018.

Pedestrian access from Power Avenue into the school Families can still access the school through the main gate at the end of Park Road. Access through the bus bay gate is being considered and further information will be released once a full assessment of the changes have been undertaken.

Community Centre Relocation

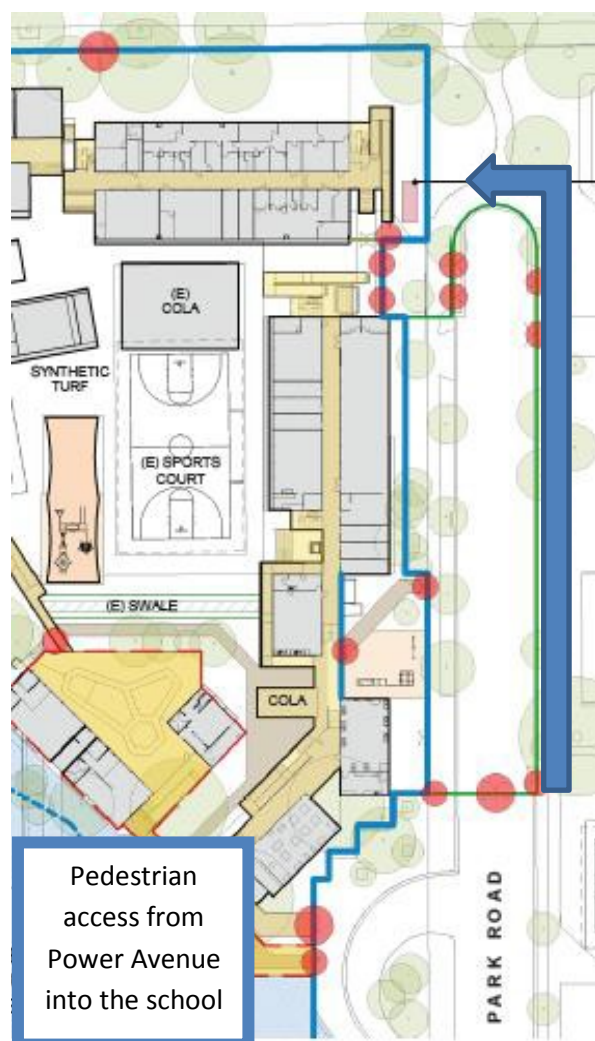
The relocation of the community centre is in progress. From Term 4, Jo Fletcher and her team of amazing workers will be operating from the new community centre within the pop up buildings. The new community centre is located across the corridor from the main office near the end of Park Road.

All programs that are currently operating will continue until the end of Term 3. A revised schedule of programs that will be on offer in Term 4 is currently being finalised and will be communicated in upcoming newsletters.

Phase 1 Construction of Redevelopment

Phase 1 of construction of the redevelopment is on track and scheduled to begin early in 2019. Additional information on the redevelopment can be found at:

<https://www.schoolinfrastructure.nsw.gov.au/projects/a/alexandria-park-community-school.html>



Please do not pick up your children from Buckland Street.

It is potentially dangerous to double park on Buckland Street to wait for your children after school.

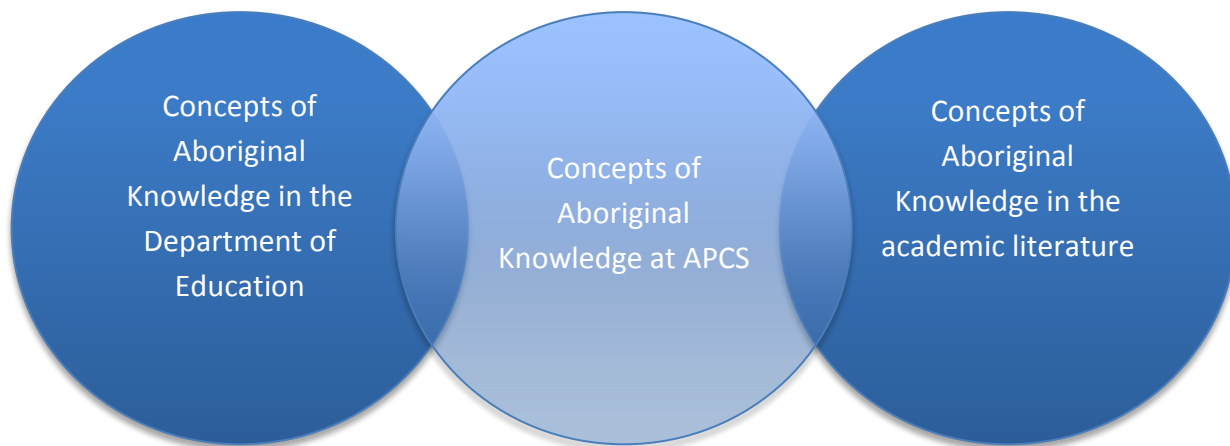
The school has implemented staff supervised after school pick up arrangement on Power Avenue using the bus bay as a pick up zone.

Please comply with these after school pick up procedures

Warning – the City of Sydney parking rangers and Redfern Police have been alerted to the potential danger of cars double parking on Buckland Street to pick up children after school.

CONCEPTS OF ABORIGINAL KNOWLEDGE

Are we on the same page?



Ms Kadek Arya is researching Concepts of Aboriginal from a school and NSW Department of Education perspective

This research completes part of a dissertation for a Masters of Education (Educational Psychology) at the University of Sydney

This study involves completing a short questionnaire about *Concepts of Aboriginal and Torres Strait Islander Knowledge*

INTERESTED IN PARTICIPATING?

The study is open to all members in the school community above the ages of 10. If you are interested in participating, please pick up an information and consent form from the front office or from an Aboriginal Education Officer (Deb Daley or Hilton Donavon).

This study is supported by the Aboriginal Education Consultative Group

This study has ethics approval from the University of Sydney and the Department of Education

FAREWELL JASON



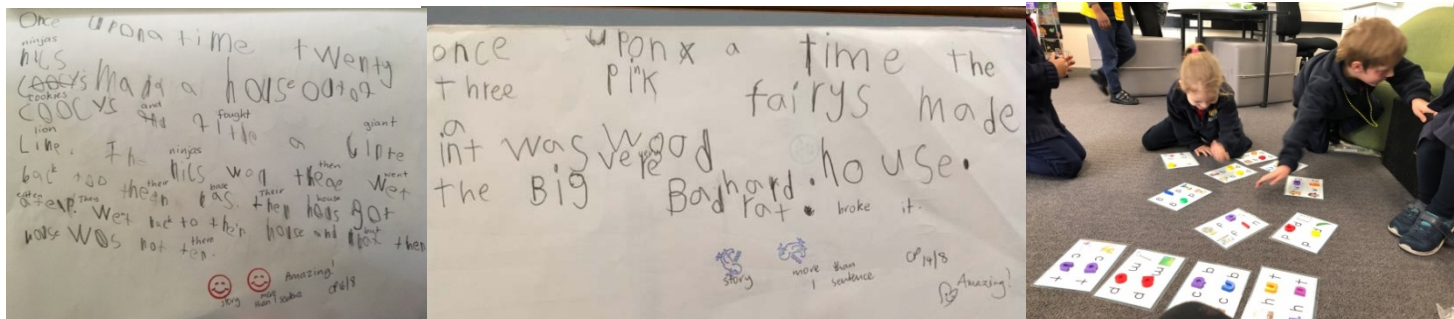
Jason has been our fabulous Technical Support Officer (TSO) for the past for 4 years. Jason commenced employed at APCS in term 4 of 2014. Recently he applied for and was successful in being offered a Field Operation Support Officer position. Jason will be based in the St Peters ICT Support Office where he will be providing technology support to schools within proximity to the office, including APCS.

Jason tells me that he has loved working at APCS, the people – the students and the staff and the diversity of the role. He has been exemplary in managing the school's technology support needs across 2 campuses and during 2 moves into demountables making sure everyone has timely access to technology so learning can progress.

KINDERGARTEN NEWS

Kindergarten has been doing lots of fabulous learning in Term 3! We love our Bush School sessions each week, and enjoy exploring nature with our friends. Deb H helped us build a cubby house out of sticks and leaves. We also use ropes and baskets to send secret messages to each other. It is so much fun!

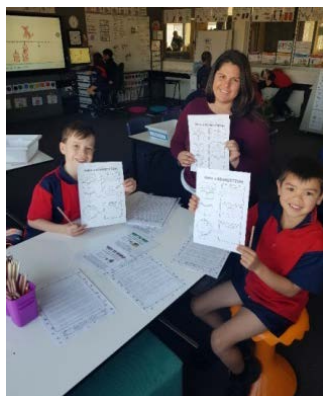
In English, we are learning to write stories based on traditional tales from around the world. We love using our new writing tables so we can sit and write easily anywhere in the room. Our teachers are very proud of our hard work.



STAGE 1 (Years 1 & 2)

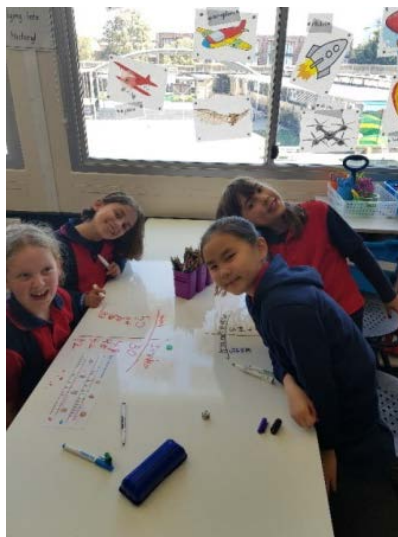
Year One and Year Two classes have lots of exciting things happening this term. Our History unit for the term 'Flying through History' involves exploring how changes in technology have affected our everyday life. We have been learning about the development of planes and other technology over time. Students have also been enjoying writing information texts in English, and have written some interesting reports on famous aviators such as Amelia Earhart.

Miss Ozdirik has been working in the Stage 1 classes to support our mathematics program, as well as providing some support in reading groups. Miss Moore has also been working twice a week with classes to co-teach some writing lessons. This has been a great opportunity for teachers to work with each other and to plan some really effective and engaging lessons.

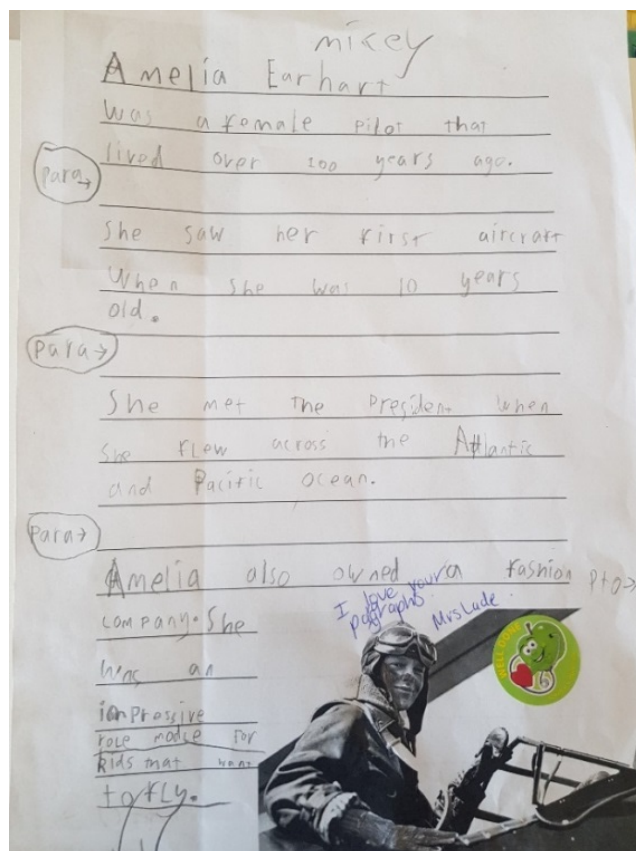
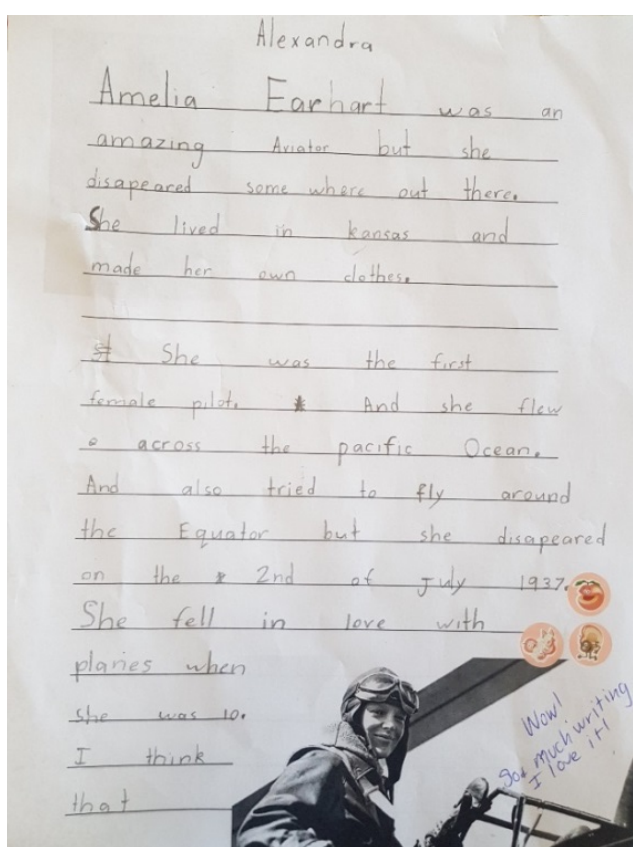


Year Two students learning about the 'Making Connections' comprehension strategy in reading groups.

(Below) students playing games to strengthen their addition and subtraction skills, and some art works by 2W



Some information texts written by students in Stage 1

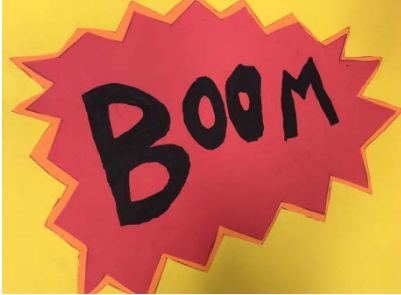


STAGE 1 has been invited to participate this term in the Sporting Schools soccer program. They kicked off with fun skills based activities in their book parade costumes. Students are looking forward to building their soccer skills in the coming weeks with Ms Mancell and our fabulous parent volunteer Sally Newman.



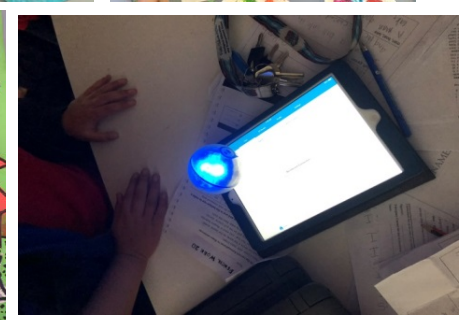
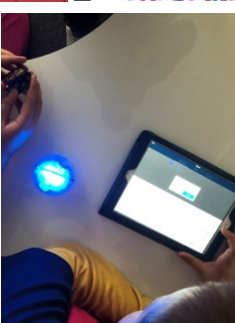


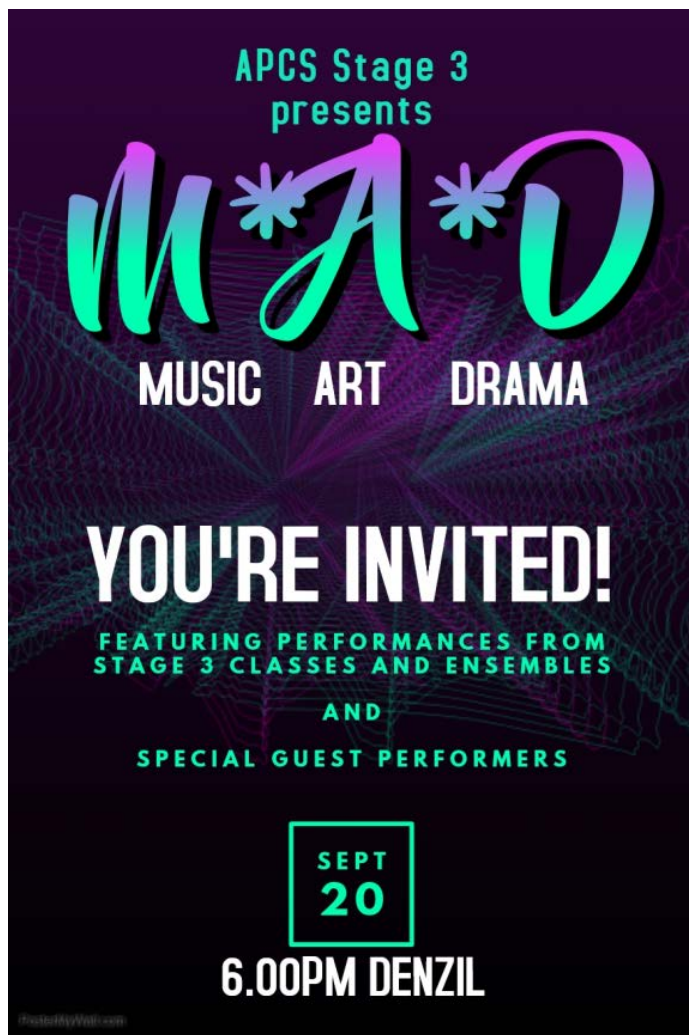
STAGE 2 (Years 3 and 4)



This term we are changing the way we run our STEM groups each Tuesday. Our STEM has turned into STEAM, as Mrs Oluk has planned exciting visual art activities around our science unit, *Material World*. Mrs Saintilan is teaching *Material World*, which is a unit investigating the way different materials are used and how they can be changed. Mr Hansen is continuing to teach coding and is introducing a class set of *Spheros* to further develop coding skills and the children's understanding of robotics. Ms Woodburne has started a unit of work in Library lessons looking at sustainability and how children can reduce their environmental footprint and conserve resources. This links nicely with our science unit.

As part of our Science Week celebrations, Stage 2 had a visit from an environmental scientist, Dr Saintilan. The children learned about mangroves and wetlands. They loved asking questions about what it is like to be a scientist and make discoveries. We all thought it was interesting that most discoveries are made by a team when people work collaboratively with each other, which is an important part of the way STEAM operates in Stage 2.





STAGE 3 BROKEN BAY CAMP (Years 5 and 6)



We had an incredible time at our three-day excursion to Broken Bay Sport and Recreation Centre. Activities included archery, bushwalking, beach-games, and fishing, and students cooked damper on their own fires.

It was wonderful to see the different class groups working together and so many new friendships form.



"The experience was an once-in-a-lifetime opportunity- all the activities, food and accommodation were well- prepared" – River (5O)

"My favourite part of camp was the high ropes course. I used to be scared of looking down two sets of stairs, but I overcame my fears, and now I can look down three sets of stairs without being afraid."-Connor (5/6S)

"My favourite part of camp was the marine walk because we got to climb rocks , find wild life and see Mr. Olsen try to climb a huge rock and also get down from it (it was hilarious)." - Grace (5/6S)

"I had a lot of fun. My favourite part was the scenery- I loved looking at the view". – Adam (6M)



NEWS FROM THE LIBRARY (August-September)

- APCS participates in the NSW Premier's Reading Challenge. Student's entries close on Friday (31/9/2018). Library teacher will make online PRC reading log entries for K-2 students who have been read to during library lessons. Yr3-9 students are expected to read for themselves & parents can also help children make online reading log entries at home using student portal login via PRC website <https://products.schools.nsw.edu.au/prc/home.html>
We highly recommend the following story books.



- APCS celebrates children's book week with a book parade in week 5. "Find your treasure" is CBC book week theme for this year. Book parade winners are listed below.

Category	Winners
Best dressed class	1M – Ms Ralston
Best dressed K-2 individuals	Micah D. + Liam S. + Drystan C.
Best dressed 3-6 individuals	Jasmin M. + Daria K. + Ava H.
Special dressed individual	Jasmin M. + Daria K. + Ava H.



3. **ICAS (Science + Writing) results** have been announced. Below is a list of students who have received awards of **Distinction & High distinction**.

Class	Science	Class	Writing
4S	Andrew N. (HD)	4S	Andrew N. (D)
4S	Toby H. (D)		
5O	Jamison L. (HD)	5O	Azuki G.(D)
5O	Ashley T. (D)	5O	Ashley T. (D)
5O	Darcy N.(D)	5O	Casper L. (D)
5O	Parker W. (D)	5O	Parker W. (D)
5O	Nabhan H.(D)	5O	Nicole I. (HD)
5O	Tiana M.(D)	6M	Munha M.(HD)
5O	Akhil P.(D)	6M	Jack R. (HD)
5W	Xi Xi L. (D)	6M	Jasmin M. (HD)
6M	Munha M.(D)	6M	Rozana A. (D)
6M	Anthea A.(D)	6M	Daisy W. (D)
6M	Alicia C.(D)		
6M	Rozana A. (D)	8X	YunSeong N. (D)
6M	Daisy W. (D)	8X	Nanzeeba K.(HD)
6M	Nemanja D. (D)	8X	Jasmine M. (HD)
6M	Jeffrey Z. (D)	8X	Crystal W. (D)
6M	Isabella W. (D)		
6M	Mina Ha (D)		
7X	Saxon D.(HD)		
7X	Jonathan C. (D)		
9X	Jerry S. (D)		



4. Please find Term 3 Library Monitors' list below. Congratulations to these students who volunteer to help in our school library during lunch times.

Day	Lunch 1 (11:00am – 11:50am)	Scheduled Classes (weekly)
Monday	Allysa C. + Ashley W.	6M + Year 3
Tuesday	Oyu G. + Uska U.	5/6S + Years 4
Wednesday	Blossom B. + River R.	5/6W + Year 1
Thursday	Rowena C. + Adam L.	5O + Year 2
Friday	Grace W. + Olivia C.	Kindy + spares



Reading Talks

(Cookies & sweets)

If you read for studies & leisure, and you wish to share your readings (be it fiction, non-fiction, papers, articles & magazines), this activity may be for you.

Who: **Yr7-12 students**
 Where: **APCS library**
 When: **Wednesdays**
 3pm-4pm (Term 3-4)
 Why: **Relaxation & Communication**
 How: over **afternoon tea**

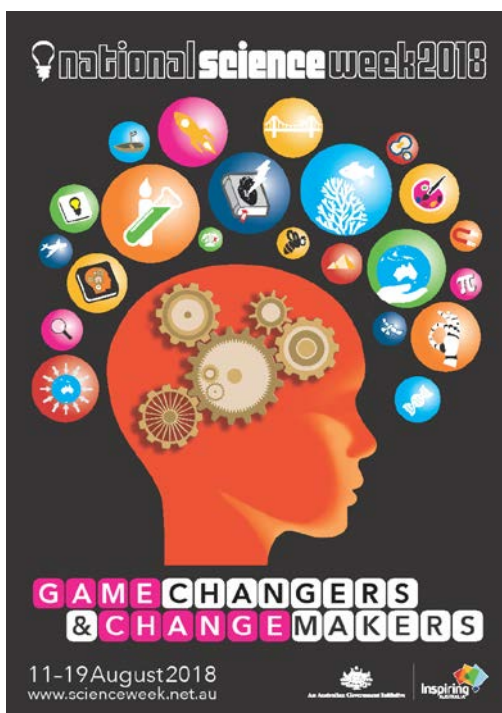
hot chocolate & snacks are provided



- APCS library has started another after school activity for high school students so as to improve literacy skills within our school community. Yr7-12 students are welcome to make new friends in a relaxed environment over a cup of hot chocolate.

HIGH SCHOOL NEWS

NATIONAL SCIENCE WEEK at APCS



The school theme for this year was **Game Changers and Change Makers**, reflecting on the significant people and moments that shifted our knowledge and our thinking. Three significant celebrations in 2018 are

- 200th anniversary of the publication of Mary Shelley's *Frankenstein* (genetic engineering, biotechnologies, prosthetics, bionics, genetic modification, brain enhancement and ethics);
- 40th anniversary of the birth of the first IVF baby (genetic engineering, biotechnology, nanotechnology);
- International Year of the Reef (coral reefs and the scientists who study them).

In the following articles we talk a lot about STEM. What is **STEM**? Science, technology, engineering and maths.

SCIENCE WEEK LAUNCH



Nicole Johnson (Lab Assistant) Tanya Bowers (CSIRO) Joanne Agathopoulos (Science Teacher) Tanya Plebersek (MP) Dr Sammy Movassghi (CSIRO) Sheree Bourke (Relieving DP) Mohammed Bashir (Relieving HT)



On Friday 10th August we hosted a morning tea to Launch Science Week, (Saturday 11th to Sunday 19th August), where some very special visitors attended.

Year 7 and some of the **Year 8's** had a very inspiring talk from 3 women from the Science and STEM Industry.

Tanya Plibersek MP spoke about STEM careers and her parliamentary career journey, with regards to STEM.

A STEM professional from CSIRO **Dr Samy Movassghi** spoke about her career activities and the relevance of STEM courses in the current age.

CSIRO representative **Tanya Bowers** gave an insight into the importance of STEM and the different career paths and many fascinating job opportunities the future will hold.



YEAR 12 PHYSICS TALK

The 2 speakers from the CSIRO, STEM professional Dr Sammy Movassghi and CSIRO representative Tanya Bowers also inspired the Year 12 Physics students by telling them about their career paths and the interesting jobs they have, and what future opportunities our students will have.



COSMODOME



A mobile digital theatre/planetarium, showing IMAX style movies without the aid of glasses was brought to school and set up in the Denzil.

When inside, there was an explanation of earth, space and the solar system.

Years 7-10 got to experience this wonderful whole day presentation which was organised by our hardworking Ms Agathopoulos.

It certainly was an enriching educational experience for our science students.

WOMEN IN STEM DAY

Mr Craig, one of our fabulous teachers at APCS organised for his wife to come and speak to our Year 10 girls.

Mrs Craig spoke to year 10 girls about careers in science and the relevance of STEM in the modern world and their future careers.

She was very informative and inspiring and gave an insight as to what the future may hold for women and girls.



YEAR 7 EGGDROP



Year 7 Science has been studying forces and their impact on the world around us. In particular, we were looking at how a change to an object's motion is caused by unbalanced forces acting on the object.

Naturally, we chose an egg and a pavement to display this interaction, and students in 7A, 7L and 7X had to come up with a machine to prevent these unbalanced forces from turning their egg into an artwork on the concrete!

All of the students took to this exercise with enthusiasm and creativity, creating complex and varied machines around their egg to prevent a disaster.

We are very pleased to say that many of our avid travellers landed safely in their carriages, using straws, soft material, playdough, pillows, balloons, boxes, bags and parachutes!

There were some surprising successes as well as some wonderful crashes. Congratulations for supporting each other and for such a successful set of flights!

YEAR 12 BIOLOGY EYEBALL DISSECTION



In week 3, our Year 12 HSC Biology class were given the opportunity to learn about the structure of the mammalian eye. As part of the HSC option module on communication systems, pairs of students were given a cow's eye to dissect in class.

Students were able to remove and examine important structures such as the lens, retina and optic nerve as well as the gooey vitreous humor (jelly like substance that sits inside the eye).

It was grisly work, but the students were able to overcome any feelings of unease as their natural scientific curiosity took over. The dissection was a great success and we were able

to connect the theory we have been learning in class with real world structures and examples.

Students studying Biology at senior level are given the opportunity to dissect many interesting mammalian structures, including sheep's lungs (respiratory system), kidneys (excretory system) and whole organisms (mice).



YEAR 7 MANDATORY TECHNOLOGY

Water Rockets

Year 7 Man Tech Students launching their water rockets guided by their teachers Ms Agathopoulos and Mr Alexopoulos.



YEAR 10 FLAME TEST



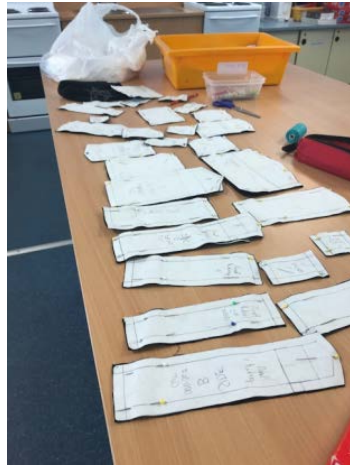
Rahul and Kevin from 10X Science, doing the flame test practical, in the new Park Rd science lab. The class is learning about stars and their colours.

YEAR 12 BIOLOGY STUDENTS

Year 12 students doing their Biology Trial HSC exam in the new venue The FLS. Good luck with the results. We received very productive feedback, from the students after the examination.

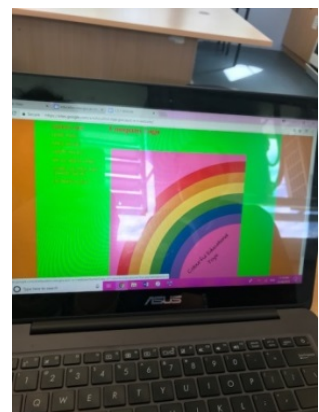


This term has been a very busy and productive term for students meeting deadline dates for HSC major projects, folios and assessments.



Yr 12 Design and Technology students have HSC designs to be finalised and handed in for HSC marking. We have a range of designs from shoe racks to an artist satchel to prom wear.

Yr 11 Design and Technology students have completed their educational toy for a child aged between 0-5 yrs skills. Learning involved machine sewing, hand sewing, printing, and painting. Students are on the next stage of the assessment which is to design and develop a website to promote and sell their toy online.

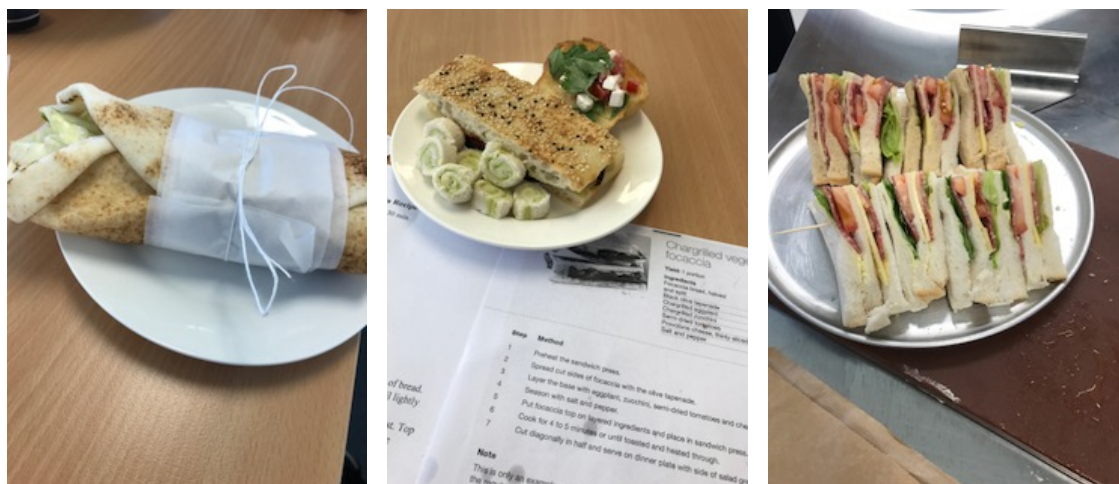


YEAR 12 HOSPITALITY students have had the chance to run a café taking orders, cooking and serving customers i.e. - staff and students. We had a morning, lunch and afternoon tea menu available throughout the day also providing the service of coffee, milk shakes and smoothies. It was a very successful day with a lot of great feedback from all. Non-alcoholic beverages and coffee on Harmony day celebrations. The students had practiced their skills by preparing and serving.



YEAR 11 HOSPITALITY students have been working towards their Food and Beverage Certificate II in Hospitality, producing, and learning how to present and serve food.

They have just finished their week of work placement in the food and beverage industry ranging from cafes to restaurants.



YEAR 8 Textile classes have been developing designs using embroidery and stencilling to produce an individual pillowcase.



Year 7 Mandatory technology Cooking have been preparing healthy recipes using herbs to enhance the flavour of their dish this term. They have designed, prepared and served healthy lunches for their assessment task using buffet style service.



Technology and Applied Sciences

What a busy and exciting 2018 for our TAS students. The new Graphics and 3D printing design studio and new Technology workshop have our students excited about learning new skills.

Technology electives provide the opportunity for students to complete practical projects which are both challenging and rewarding. They allow students to develop sound practical skills which are an asset both personally and later in the workplace.

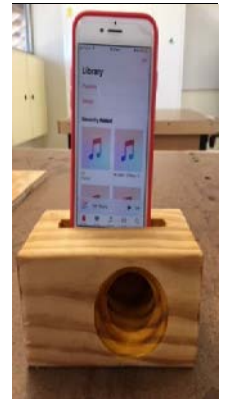
Year 7 and 8 technology students are creating timber amplifiers for their smart phones.

Year 9 graphics technology students are designing and drawing in 3D using sketchup software and printing their designs using 3D printers.

Year 10 graphics students have completed units of work in architectural drawing and product design. They are now putting these skills to the test and working on their major design projects.

Year 11 Design and Technology students are learning about Australian Designers and year 12 are busy finishing their major design projects for their HSC.

YEAR 7 AND 8 TECHNOLOGY MANDATORY - TIMBER



GRAPHICS TECHNOLOGY

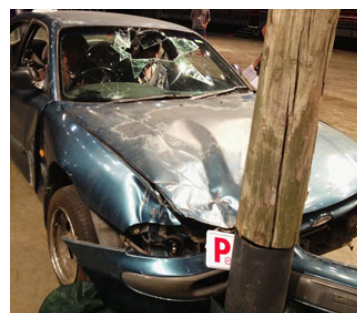


PDHPE

The PDHPE program continues to play an important role in advocating for the health and safety of our students. This term stage four has focussed on topics such as fitness, dance and movement composition, roles in sport and the use of technology in sport, just to name a few. These components of the curriculum are understood within the broader context of safe living, games and sports, and individual and community health.

A stand out event this term saw our year 10 students attending the BStreetsmart program. BSreetsmart is a one-day program held at Allphones Arena, Sydney Olympic Park and is aligned with the topic they have been exploring in class, 'Risk taking'. The program's purpose is to reduce the fatality and injury rates of young people by promoting safe behavior as drivers, riders and passengers. The day was filled with engaging activities, live performances and inspirational guest speakers. Students had to opportunity to watch a live motor vehicle crash scenario, participate in 21 interactive displays such as emergency rooms and CPR activities and grab goodie bags filled with support information, stickers, opal card holders, and nifty stationary.

Our year 10 students and PDHPE staff thoroughly enjoyed the event noting how insightful and authentic the whole experience was, with students walking away with a deeper understanding and respect of road safety.



Maths Matters

Our year 12 cohort have completed their trial mathematics exams with some pleasing results. We wish them well for the future in whatever career path they may choose. We hope also that after the intensity of the HSC exams and further study and career decisions they can look back and see Mathematics not as a subject of boring computations and bewildering equations but as a fascinating door to diverse ways of understanding and interpreting the universe around us; the complex and the mundane.

Many of the world's great Mathematicians are not necessarily people who can process computations quickly but are people who seek to understand and think deeply about things that happen around them. It is important that we attempt to model this for our children. Each child is unique and their ability to work mathematically is not linear but

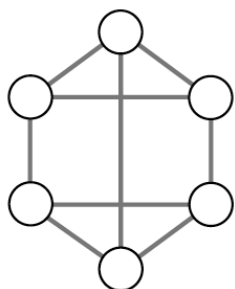
organic. All of us have the ability to do maths but it is so much easier to do something when you are enthused rather than demoralised. It is important that we do not tell our children that I can't do mathematics or I wasn't good at it but rather I didn't understand or it wasn't explained to me so I could understand, or I didn't ask questions that helped me understand.

We don't want to create another generation who say they can't do maths but rather a generation who are not afraid of maths. Who when asked why they did not carry on with maths say, "I could do maths but chose not to do higher maths because I was more interested in other subjects". The Maths faculty are working with all students to build their mathematical skills while also developing their understanding and enthusiasm for the subject.

Challenge Questions of the Month

Have a go at the challenge questions below. If you can do solve the challenge for the year you are in try also the one for the year above. The solutions for May 2018 challenge questions are at the end.

Use each of the numbers 1 to 6 once.
Write one in each circle.

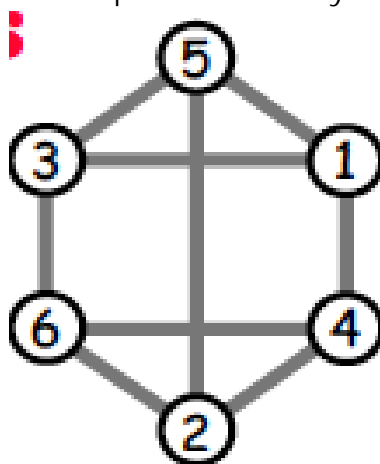


Numbers next to each other must not be joined.
For example, 3 must not be joined to 2 or 4.

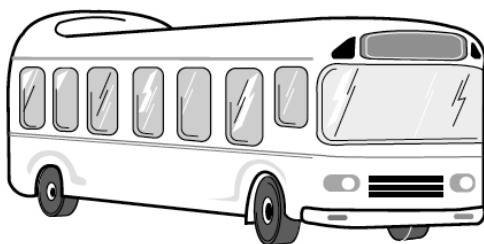
1 2 3 4 5 6

Primary (Stage 2)

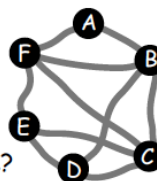
This is an example. How many can you find?



Primary (Stage 3)



Six towns are connected by bus routes.
The bus goes from A back to A.
It visits each of the other towns once.
How many different bus routes are there?



This table shows the bus fare for each direct route.
B to A costs the same as A to B, and so on.

A to B	B to C	C to D	D to E	E to F	F to A	B to D	B to F	C to E	C to F
\$4	\$3	\$4	\$4	\$3	\$4	\$5	\$3	\$2	\$2

Which round trip from A to A is cheaper?

YEARS 7 AND 8 (STAGE 4)

If nine thousand nine hundred and nine dollars is properly written \$9,909, how should twelve thousand twelve hundred and twelve dollars be written?

YEARS 9 AND 10 (STAGE 5)

Place a familiar mathematical symbol between 2 and 3 to express a number greater than 2 and less than 3

YEARS 11 AND 12 (STAGE 6)

If you think of any base greater than 2 for a number system, I can immediately write down the base without asking you a question. How can I do this?

Solutions for May 2018 Challenge Questions

STAGE 2

Considering the number of 1's used in the sum.

6x1's: 5x1's: 4x1's: 3x1's: 2x1's: 1x1: 0x1's:

1+1+1+1+1+1 None 1+1+1+1+2 1+1+1+3 1+1+2+2 and 1+1+4 1+2+3 and 1+5

2+2+2, 2+4 and 3+3

Giving 10 solutions.

STAGE 3

Of course, there are may be other ways of arriving at each of these numbers:

$1 = 2 \times 3 - (1+4)$, $2 = 4-3+2-1$, $3 = 2 \times 3 - (4-1)$, $4 = 2 \times 4 - (1+3)$, $5 = 2 \times 4 - 1 \times 3$, $6 = 2 \times 4 - 3+1$, $7 = 3(4-1) - 2$, $8 = 2+3+4-1$, $9 = 2 \times 3 + (4-1)$, $10 = 1+2+3+4$, $11 = 2 \times 3 + (1+4)$, $12 = 3 \times 4(2-1)$, $13 = 3 \times 4+1+2$,

$14 = 1 \times 4 \times 3+2$, $15 = 3 \times 4+1+2$, $16 = 2(1+3+4)$, $17 = 3(2+4)-1$, $18 = 3(2+4)1$, $19 = 3(2+4)+1$, $20 = 1 \times 4(2+3)$, $21 = 4(2+3)+1$, $22 = 2(3 \times 4-1)$, $23 = 3 \times 4 \times 2-1$, $24 = 1 \times 2 \times 3 \times 4$, $25 = 2 \times 3 \times 4+1$

STAGE 4

If we let the number of birds be represented by b and the number of rabbits be represented by r then we get the following two equations:

$$b + r = 16 \quad (1) \quad 2b + 4r = 38 \quad (2)$$

Dividing the second equation by two gives: $b + 2r = 19 \quad (3)$

If we now subtract equation (1) from equation (3) we get $r = 3$, and as $b + r = 16$ it follows that the number of birds, b , must be 13.

STAGE 5

Considering combinations,

1234, 1243, 1324, 1342, 1423, 1432, 2134 etc.

Each digit appears in each column 6 times. So each column must add up to, $6(1 + 2 + 3 + 4) = 60$.

Total = $60(1 + 10 + 100 + 100) = 66660$, etc.

STAGE 6

Taking three consecutive integers, n , $n + 1$ and $n + 2$ we get.

$$n(n+1)(n+2) + (n+1) = (n+1)(n(n+2) + 1) = (n+1)(n^2 + 2n + 1) = (n+1)(n+1)^2 = (n+1)^3$$

MUSIC NEWS AUGUST THURSDAY CONCERTS

The lunchtime concert program is continuing this term on Thursdays in the Music Room, providing more opportunities for students to develop their skills and confidence in performance. All high school students are welcome to come and enjoy some wonderful music making by Alex Park's talented soloists and bands



HSC MUSIC COMPOSITION DAY

The Stage 6 music students spent a day recently at MLC Burwood participating in HSC Music 1 Workshops. They enjoyed a fantastic morning working with Aboriginal Filipino hip hop artist Dobby (Rhyann Clapham), who also performed a number of his tracks. The students explored this history of hip hop, went head to head with the MLC girls in a hip hop battle and performed an original rap with a live band.



SAXON DEAN AND THE SYDNEY SOUTHEAST ORCHESTRA



Saxon D. of 7X recently attended a residential orchestra camp at Stanwell Tops Conference Centre on 6-8 August, representing APCS on his cello. Saxon has been a member of the Sydney Southeast Orchestra since 2016 and is a talented musician; the camp afforded him the opportunity to take part in rehearsals, section and tutorials with specialist musicians. The Sydney Southeast Orchestra is an opportunity open to public school students in years 5-8 who play strings, woodwind, brass or percussion instruments. The Orchestra will be performing at the Sydney Southeast Showcase concert at Sutherland in November so we look forward to celebrating Saxon's performance later in the year!



Given the vast amount of talent at APCS, the senior SRC have created a fund to help support students who are achieving great things inside and outside of the school. The APCS Student Achievers Assistance Fund (SAAF) will support student achievers with financial assistance to attend extracurricular opportunities such as enrichment camps and excursions, sporting opportunities, academic endeavours and reward the achievements of our peers.

At the recent senior athletics carnival, the SRC ran a snack stall, which raised over \$200 for the fund. Thanks to everyone who supported the stall by buying a slice or two.

Students who have an extracurricular opportunity they would like to receive assistance for can apply in writing to the SRC. This should be no longer than one page, and should outline what the assistance will go towards.



Waterloo Redevelopment masterplan process

Check out this short video to help explain the masterplan process for the Waterloo Redevelopment. Developed by Inner Sydney Voice and Counterpoint Community Services in conjunction with the Waterloo Neighbourhood Advisory Board

<https://www.youtube.com/watch?v=niAwnW0cCFY&feature=youtu.be>

Date	What's happening
Tuesday September 4	Year 6 fundraiser – PJ day
Wednesday September 5	Indigenous Literacy Foundation Book swap
Thursday September 5	Daceyville Big Band Bask
Friday September 6	Deadly Kids Doing Well Awards
Wednesday September 12	High School Tour – 4PM
Wednesday September 12	Kindy 2019 Parent Information Evening 6PM
Tuesday September 18	Regional Athletics Carnival
Thursday September 20	Stage 3 MAD Creative Arts Festival
Thursday September 27	Stage 2 Excursion – Botanic Gardens
Friday September 28	Last day of term 3

SPEAK UP PUBLIC SPEAKING COMPETITION

On the 24th of August, 3 students from Alex Park attended a workshop for Speak Up! - a public speaking competition for Aboriginal and Torres Strait Islander students years 7-9. The students who attended were Rocky C. in Year 7, Bella C. in Year 8, and Jermal I. in Year 9. The workshop was hosted at Parliament House and developed skills in impromptu speaking, public speaking and leadership. Participating students will be writing a speech on the 2018 NAIDOC week theme: "Because of her, we can". The students will be presenting their 3 minute speeches at Parliament on Wednesday the 7th of November.

BEGINNING TEACHERS UPDATE



**"My teacher isn't qualified to teach spelling!
She spells U 'y-o-u'. She spells BRB 'r-e-t-u-r-n'.
She spells BFN 'g-o-o-d-b-y-e'..."**

Beginning Teachers are extremely important to our school. They bring with them enthusiasm and knowledge of contemporary pedagogies that are invaluable to the school community. Each year beginning teachers are identified by the department and allocated additional funding to support their development. This year Ms Dee Cantrell (English/EAL/D), Miss Jade Fogarty (KF), Mr Nathan McEwan (HSIE) and Mr Bradley Hansen have been identified as our beginning teachers and have been deeply

Engaged in professional learning.

Beginning teachers have participated in the following professional learning:

- Co-teaching
- Co-programming
- Co-marking
- Co-report writing
- Lesson Observations
- Classroom Management through Effective Teaching
- Seven Steps to Writing
- UNSW School of Education: Enhancing teacher assessment literacy to improve student literacy: From principles to practice
- Promoting effective learning of subject content among EAL students
- Managing learner cognitive load for more efficient learning
- L3 Training
- Learning from Country
- PBL Reload course
- Interactive and independent writing, mathematics (differentiation) or integrated STEM activities

Alexandria Park Community Centre

MOVING BEE



Looking for volunteers


Do you have an hour or two to spare on –

Wednesday, Sept 26th

We will be relocating to the primary school and would appreciate some help in moving our STUFF!!!

Just come along on the day and lend a hand.

APCS P&C: Update



Amazing Bookworm Result!!

Thanks to our community's generous support of our annual Bookworm fundraiser, we can now provide three years of access to online story books in K-6 classrooms.

Thank you to everyone who donated to Alex the Worm and a big thanks to our team of volunteers for their time and support during Book Week.

About the Alex Park P&C

We are a committed and diverse group who aims to:

- ☐ Foster communication between our members, school staff and the local community
- ☐ Fundraise for the school to provide extra learning resources and equipment
- ☐ Deliver and support events to build a strong, connected community
- ☐ Support Alexandria Park Community School.

Contact us to find out more:

☐ apcspandc@gmail.com

Become a P&C member!

Our members come from many parts of the school community, including:

- ☐ Parents, carers and families
- ☐ Teachers and other staff members
- ☐ People from the local community, including the Alexandria Park Community Centre.

Joining is easy – fill in our online form:

http://bit.ly/APCS_member