

RiversideCurrents

SEMESTER 2, 2019



Principal's Report

HSC Nominations for Inclusion in Annual Major Works

Congratulations to the following students who have been nominated for inclusion in the annual major works exhibitions and performances

HSC Dance – (Callback 2019)

Amy C and Sousada S

Both Amy and Sousada are Year 11 students who study Accelerated Dance.

HSC Drama – (Onstage 2019)

Rachael P, Emily S and Amelia W.

HSC Design and Technology – (Shape 2019)

Sarah B, Claire B, Jolie F, Sivi L, Rosemary L, Tahlia P and Ella T.

Visual Arts (ArtExpress)

Sarah B, Jolie F and Ellen R.

Congratulations again to each of these students, and their teachers, for this amazing achievement.

City Country Alliance (CCA)

Connecting Students is a CCA initiative, the purpose of which is to promote intercultural understanding and relationships through student led, prepared presentations via Skype. These video conferences have occurred three times a term in Terms 2, 3 and 4 involving students from Riverside Girls High School, Wiley Park Girls High School, Turrumurra High School, Inverell High School and Bundara Central School. Each time different groups of students have shared their views on topics that include: What makes your school unique? What does Leadership look like in your school? What does the transitioning to further education/work look like for you? What does learning look like at your school?

The most recent conference was an opportunity for the four girls who represented Riverside in the annual CCA Conference to get to know the students who attended from other schools.

I would like to thank Ms. Sally Farr who has done a wonderful job of coordinating these events and facilitating each of the webinars.

Shakespeare by the River

Year 7 English and Year 9 Drama students are busy rehearsing for the annual production of Shakespeare by the River which will take place on Thursday 5 December at 6pm on the senior lawn.

\$20 BOSS Entrepreneurship Program.

All Year 7 students have spent this term pitching their ideas and working on their projects for \$20 Boss, an entrepreneurship program where students had to identify and solve a real problem, consider ethics and have a social enterprise focus. Critical and creative thinking, teamwork and entrepreneurship skills were developed throughout the program that was developed in consultation with students and educators. The students are fortunate to have had the P&C support the program by providing each student with the \$20 start up cost.

The students sold their products at the Year 7 Entrepreneurs Market last week.

Student Leadership Conference.

Recently all student leaders engaged in their annual conference where they planned initiatives and nominated the causes they would support over the next 12 months.

Their initiatives included a 'Welcome to Riverside Day' accompanied by a Year 7 Handbook and an 'O' Week where current and incoming students will be met with an abundance of Riverside pride and spirit as well as being reminded of the variety of extra-curricular clubs and activities on offer throughout the year. Additional projects include the continuation of 7 days free, environmental and recycling schemes such as bottle recycling and the planning of House fundraisers including the upcoming O'Harris fundraiser for the Children's Hospital in Westmead.

Alison Gambino (Relieving Principal)

The vision of the 2019/2020 SRC is represented on Page19



P & C Achievements For 2019

Your P & C has had a very successful 2019 and through your generosity and the commitment of the P & C, funds raised have been used to benefit your daughters in many ways.

The following are some of the highlights:

- \$50,000 for quadrangle upgrade
- Upgrade of the senior lawn including turf laying
- New seating around the school
- Regular grounds maintenance through the “Life’s A Garden” company
- Provision of artificial turf in difficult to grass areas
- Provision of refreshments at the school musical
- Installation of an enormous hall fan
- Contributions to school programs such as Bell Shakespeare, STILE App, Word Flyers, the Refugee Challenge, the language program, music stand banners, \$20 TAS BOSS Challenge, Year 12 Graduation, Framing of the Musical Photos and annual P & C awards for outstanding student achievement.

I acknowledge the tireless support of the 2019 P & C executive, Rachel Dunne, Paul Jones, Martin Brown, Greg Lowe and Megan Hudson and thank retiring committee members, Paul Jones and Greg Lowe for their enormous support and contribution through their work on the P & C.

The New Year will see the introduction of a new senior uniform with plans to update the junior uniform.

We look forward to the outcome of the submission to the Community Building Partnerships for funds to assist in the installation of solar panels.

Our thanks to the teachers and Sass staff for their support at events and presentations and attendance at the monthly P & C meetings.

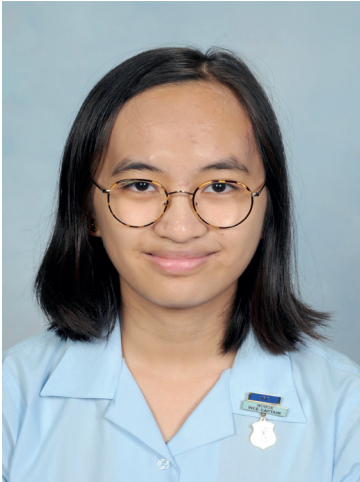
Finally thanks to you, the parents and carers, for your valuable input at meetings and events throughout the year. On behalf of the P & C Committee we wish everyone a fun festive season and a safe and restful holiday break.

Belinda Brodrick, President.



Introducing the 2020 Senior Leaders ; A Passionate Group of Exemplary Riverside Students

Sabina Patawaran
School Captain



Let's go all out in the pursuit for Riverside to be better, to be greater for every Riversidian now and for all the future students of Riverside.

Mashal Hameed
School Vice Captain



My vision for Riverside is one of absolute inclusiveness and community. Creating a place where I can inspire a generation of Riverside Girls to change their communities, change the country and make their mark on the whole world is my endeavour.

Jordyn Richards
Performance Captain



Every great achiever is inspired by a mentor and a good mentor helps people build on who they are. I strive to be a mentor to the students of Riverside, to help them achieve their goals, and to show them the potential they already possess inside themselves.

Cara Murray
Sports Captain



Being true to yourself can be terrifying, but the thrill of embracing who you are is incomparable. I want to inspire people to be passionate about themselves, celebrating the beauty within all of us.

Celine Asatour
House Captain - Coen



Great leaders don't tell you what to do, they show you how it's done. As a leader I hope my actions will inspire others to dream, learn, grow and become more.

Jessie Sing
House Captain - McKenzie



A sign of a good leader is not how many followers you have, but how many leaders you create. As a leader I strive to excel, to encourage and inspire others to be the greatest version of themselves.

Lara Coward
House Captain - Mallinson



Coming together is beginning, keeping together is progress and working together is success. I hope to encourage all students at Riverside to work with each other to achieve all their goals, and try their best in everything they want to achieve.

Chloe Hogan
House Captain - O'Harris



To lead is to encourage and support. I will guide my peers to take all opportunities and accept that enjoying what you do is more important than winning. "Fall down seven times, stand up eight".

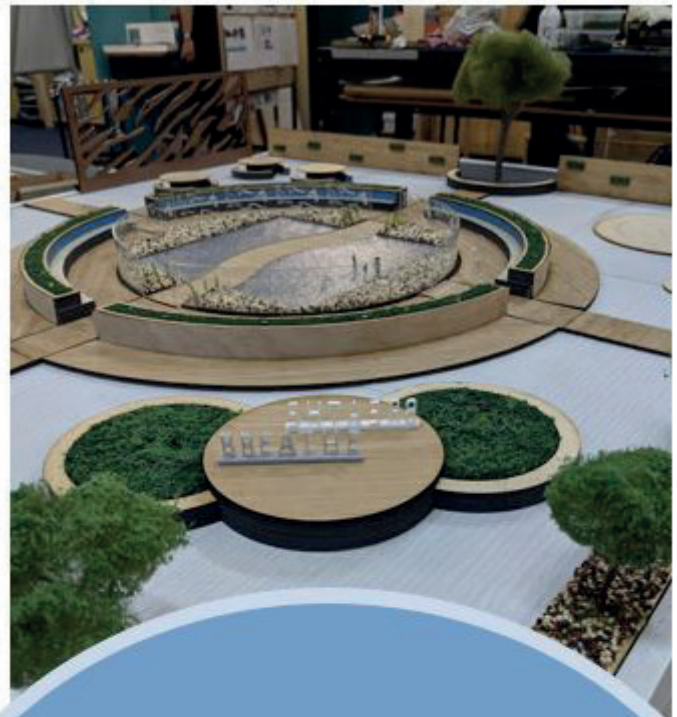
Solar Powered Diver Torch

My motivation for designing a waterproof diving torch is that there is currently no diving torches on the market that are solar powered, completely waterproof and safe for scuba diving.

Torches are used day and night while scuba diving, as they are a very vital part of the diving equipment needed for safety. Diving torches are also often used in remote locations where there is no actual power available, so the diver must carry spare batteries with them in-case their torch runs out, this can take up a lot of weigh and space.

This torch is able to be charged up using solar energy rather than using power or disposable batteries.

Claire Burnett



Sensory Landscape Garden Design for Concord Hospital

My motivation for designing this sensory hospital garden was to provide an outdoor space where hospital staff, patients and their families could relax, socialise and enjoy the calming landscape forms. After conducting research on the needs of hospital patients it was evident that providing a beautiful outdoor garden with tranquil spaces improves a patient's mental health and recovery rate.

Ella Thomas



B-Dry Retractable Outdoor Seating System

As a senior student at Riverside Girls High School I was inspired to create a solution to the issue of student's being forced to sit on wet outdoor seating in the senior lawn area. At Riverside we are allowed to sit inside while it rains, however once the rain has cleared an announcement is made asking everyone to return to the outdoor seating, regardless of whether it is dry or not. My design solution includes a weather proof storage bag with a soft fold out cushion seating system. Students can avoid wet seats and are provided with a comfortable seating option.

Tahlia Philips

Collapsible and Adjustable Laundry Basket

The motivation for my product was to create a laundry basket that makes doing the laundry easier, targeted specifically at those with physical limitations such as Australia's growing ageing population. My product targets the process of doing the laundry and how to make that more accessible to all.

Rosie Logan



Sea Change Interactive Rubbish Bin - Jolie Fang



Sea Change Interactive Rubbish Bin

My motivation for designing this interactive rubbish bin was to raise awareness about the increasing issues associated with rubbish pollution and the state of our oceans. The design of this rubbish bin includes interactive features such as LED lights, magnetic motion sensors, audio sounds and a QR code. My bin product features turtle silhouettes which light up when rubbish is disposed of correctly in the bin. This sends a message that everyone can make a positive impact on the future if we think more deeply about how our actions can impact our oceans and the planet.

Seven Outstanding HSC Design & Technology Major Design Projects nominated for SHAPE

Shape 2019 is a selection of exemplary Major Design Projects from Higher School Certificate Design and Technology students.

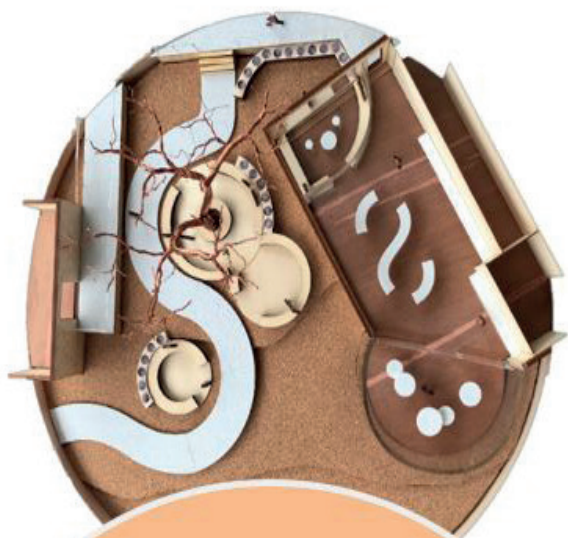
Seven of our students had their Design and Technology Major Design Projects selected for possible inclusion in this exhibit.

Their projects included a solar powered diving torch, a convertible children's furniture product, a redesigned senior outdoor study area adjacent to the existing RGHS senior study space, an interactive LED rubbish bin, a sensory garden space for Concord Hospital and a motor driven laundry basket built to assist those with limited mobility and body movement.

The projects embodied the true meaning of design as the girls sought to identify and design solutions that addressed a genuine social or environmental need. These students developed numerous technological skills including upskilling in CAD drawing programs, using 3D printing technologies and utilising the school's laser cutter. The quality and standard of projects produced by these classes was outstanding. All of the nineteen students designed and produced an amazing selection of unique and creative design solutions.

These and the other HSC designs were displayed in the TAS Young Creators Showcase held in the school hall to enthusiastic commendation from the many parents and visitors who attended the showcase.

Congratulations to the students and to their talented and enthusiastic teachers in the TAS faculty.



New Study Space and Outdoor seating for seniors at Riverside Girls High School

My motivation for designing the Glasshouse and in doing so, redesigning the study space at our school was to improve student wellbeing during Year 12 and explore how interior and exterior design interrelate. After conducting interviews and presenting my design to members of the student body, it is clear evolution in this way would be extremely beneficial to the cohort.

Sarah Blanks



The Growing Chair

My motivation for designing children's furniture was to create a multi-functional chair stool that can be adjusted to suit different age groups. The seat and back of the chair can be separated and inserted together into a conjoined table or a chair. My aim is to reduce the negative environmental impacts caused by the design and mass production of cheap single function children's furniture.

Mio Liu

Message From a Former Riverside Girl - 1959

Having lived and worked in Melbourne Victoria for the past 48 years, today I went onto my computer to see if the school that I went to as a teenager still existed. I was amazed to see your website and facebook page as I imagined that the school would now be a housing area in growing Sydney. Most of the area that I grew up in has been demolished for that purpose.

I left your school in 1959. The careers advisor told me to either be a school teacher or a nurse. That was about all that was available to consider when I was 15. My English teacher at the time told me I was daft so I didn't think I would be a very good teacher. I spent a lot of time standing in the corridor outside the class room because I talked too much. This is why I became a Nurse.

Nurses need to be very good at talking and listening. I commenced my training in 1961 when I was 17 and 10 months which was what was decided to be the best age in those days. I have recently retired after 54 years of nursing, 51 of those years as an Operating Room nurse and Nurse Manager in major Public Hospitals in Sydney and Melbourne. I am a Graduate of Monash University and have worked for Peninsula Health on Melbourne's Mornington Peninsula for 39 years.

On viewing your website I saw a room with posters of past years and I am sure there have been lots of women who attended the school have achieved great things over the years. I am so glad I attended your school and have fond memories. We had a great time travelling there on the top deck of the double decker buses with the boys from Drummoyne Boys High School!

We watched the Gladesville Bridge being built and played sport in the grounds of the Gladesville Mental Hospital as we knew it then.

I have read just about everything on your pages and I am so glad it has become such a great school.

Grace Richards (nee Phillips)

Some Pictures From The 50'S



The Front Gates (above) - Relaxing on the Front Lawn



The Senior Prefects (above) - The School Choir





Ashton On Song

Congratulations to Ashton M. in Year 10 who recently entered the ACMF (Australian Children's Music Foundation) National Songwriting Competition and came first place in the Year 7-10 category.

Her winning song was called "The Devil's Plaything".

In addition to this success, the same song also won the 'Alan Kendall' award for overall best song in the competition.

To hear Ashton's song, go to <http://acmf.com.au/national-songwriting-competition-2019-winners/>

Prizewinners of the competition receive money towards purchasing music equipment and tuition. Well done Ashton!



Christian Community Aid Concert

Congratulations to girls in the school orchestra on their recent performance in the Christian Community Aid Community Learning Biennial Concert. The girls performed a selection of pieces led by our conductor Alan Ho to an appreciative audience of local community members and parents. Emily S. and Jordyn R. were featured artists in the program, performing songs in collaboration with CCA members, and a rendition of Popular and For Good from *Wicked*, the musical.

Thank you to the following students who participated in this event: Emily S, Jordyn R, Khrys D, Candy C, Kate L, Evette L, Sabina P, Eleanor D, Elly P, Sophie G, Jane S, Esther K, Lucy B.

January 2020

- School resumes for staff on Tuesday 28 January
- School resumes on Wednesday January 29 for Years 7,11 and 12
- School resumes for Years 8,9 and 10 on Thursday 30th January

The students and staff wish our Riverside Community a safe and happy holiday season



Outstanding Music Student

Congratulations to Jordyn R (Year 12 Performance Captain) who was selected to perform as a featured artist at the 2020 NSW Australian of the Year Awards ceremony.

The evening, held at the Museum of Contemporary Art, was to celebrate the achievements and contributions of eminent Australians by profiling leading citizens who are role models for us all. They inspire through their achievements and challenge us to make our own contribution to creating a better Australia.

The Awards honour an exceptional group of highly-respected Australians who ignite discussion and change on issues of national importance.

Jordyn performed to an audience of prominent and distinguished politicians and guests for this special event.

Riverside acknowledges the talent of this music student and the achievements of the music faculty which includes the outstanding work on *Wicked*, the Musical, MECCA night, outside performances and the recent awards for performance and composition.





National Forum

From October, 20th to October 23rd, 21 young Australians came together in Canberra for a national forum about media and democracy.

I applied to Western Sydney University to attend because I am passionate about the role of media in a free society believing journalists should “expose the truth to society and hold people to account for their actions.”

The attendees were like-minded people who got along very well and expressed a passionate desire to pursue journalism as a career.

The Advancing the Media Literacy of Young Australians research project really emphasises the need for greater representation and inclusivity when it comes to young people and the media; after all, we’re the generation that’s responsible for bringing change in the future.

Over the two days at the Museum of Australian Democracy (Old Parliament House), we were taught the necessary skills that will help us in initiating further discussion about news and democracy within our local community. Our discussion at the Forum encouraged us to improve the interaction of young people and the media.

As one of the ‘News Champions’, I’m looking forward to improving media literacy within Riverside and the wider community and I also hope to harness everything the media has to offer and encourage better representation of young people within mainstream media.

Maitreyi K.



Every young person has a voice and this Forum has equipped me with the skills to bring these voices forward, both at Riverside and beyond school.

Immediately after the Forum, I was asked to take part in the ABC Focus Podcast on October 23 which made me realise just how crucial it is for young people to share their ideas on mainstream media so that we can have a greater impact on political discourse.

View the ABC Forum at: [News Champions Forum](#)

Success in Year 12 Visual Art

Every year our Year 12 Visual Art students reflect and explore a range of concepts on which to base their Bodies of Work. They then employ the most suitable expressive form (drawing, sculpture, painting, photography) to bring their concept to life.

The competition to achieve a high mark (both internally and externally) is tough. In addition to this it is the dream of students to have their artworks considered for Art Express, an exhibition in which the top 1% of artworks are exhibited in Art Galleries throughout NSW.

This year our Year 12 Visual Art class has had three students shortlisted for Art Express. This is an absolutely outstanding achievement and the following students are to be commended for this achievement.

Ellen Rowley – Her Body of Work is using the expressive form of Drawing.

Jolie Fang - Her Body of Work is using the expressive form of Drawing.

Sarah Blanks - Her Body of Work is using the expressive form of Painting.

The following are images from their artworks partnered with their artist statement which gives a brief insight to the work.

Sarah Blanks *Elixir Vitae*

“Whereas the beautiful is limited, the sublime is limitless, so that the mind in the presence of the sublime, attempting to imagine what it cannot, has pain in the failure but pleasure in contemplating the immensity of the attempt”

– Immanuel Kant, ‘Critique of Pure Reason’

Inspired by the Romantic movement, sublime philosophy and personal experience, this work exhibits the ineffable and healing qualities of the natural world revealing repetition of this motif throughout art history. The influence of artist Caspar David Fredrick’s work is present in replicating the evocation of an enigmatic mood and presenting human fragility in contrast to the sublime natural world. Employment of the senses, natural symbolic allegory and mythological allusion [the birth of Aphrodite] in depiction of the figure and her relation to water call to ideas of nourishment, human identity/origins, rebirth and return. Finally, techniques of traditional Flemish painting used including an imprimatura, underpainting, layering of pigment and glazing to emphasize the repetitive, timeless and universal quality of these notions.



Ellen Rowley *The Garden of Earthly Plights*

Living in an uncertain world, this work challenges you to decode a cautionary tale about the consequences of prioritising the present at the expense of the future.

By appropriating Hieronymus Bosch’s triptych, *The Garden of Earthly Delights* to our contemporary world, a three-part narrative reveals our changing relationship with the environment from custodianship to exploitation.

As a significant motif, apples intend to represent materialism as the modern forbidden fruit; our insatiable appetite for material goods causes our downfall into ‘purgatory’ where nature takes revenge.

The time-consuming nature of the ‘wimmelbilder’ (hyper-detailed) style operates as a metaphor for the time humanity wastes and the time humanity has left before the tipping point.

Please interrogate each symbol to answer some of the most pressing questions of our time.





Jolie Fang *Memento vitae*

The law of conservation states energy can neither be created nor destroyed; rather, it can only be transformed or transferred from one form to another. This is reflected in the cyclical nature of existence, allowing the death of one life to give life to others.

The use of gel pen and charcoal are used to convey the detailed complexities of life and represents how harsh life experiences can shape a person’s identity throughout their life. Furthermore, the acrylic painted flowers which engulf the decaying bodies take influence from Memento Mori artworks (remember you will die) through the use of symbolic elements such as flowers and skeleton as a reminder of our mortality due to the symbolic objects’ transience.

The deterioration and decay of both the physical and mental are also conveyed in the piece through the erasure of some areas of the portrait’s face as well as the progressively chaotic vegetation which grows behind them which represents the entanglement of memories as a result of Alzheimer’s.



Principal's Report (continued)

The AGM of the Parents and Citizens Association of Riverside Girls High School held its Annual General Meeting last Wednesday. The main order of business was to acknowledge the outstanding commitment of the outgoing executive and to elect the executive for 2020.

The P & C executive for 2020 is :

Presidency - Belinda Brodrick

Vice President - Rachel Dunne

Secretary - Martin Brown

Treasurer - Jenny Nettleton

Executive - Meg Hudson , Louise Naylor

TAS Young Creators Showcase and BOSS Challenge

The school's first ever TAS Young Creators Showcase. took place last week. We had a wide variety of spectacular displays and market stalls from the junior years including the FYA (Foundation Youth Australia) \$20 BOSS Challenge, where Year 7 students became entrepreneurs with only \$20 each for the budget, funded by the P&C.

The TAS classes also exhibited their innovative work with fabulous cakes, woodwork creations, STEM projects and afternoon tea, as well as a runway fashion show.

Featured also were the HSC major works from Year 12 Design and Technology class, who received an outstanding seven NESA Shape nominations.(see pages 3,4 and 5)

It was a wonderful function which celebrated the work of our makers,innovators and creative thinkers. (pictured below)



7 Days Free 2019

'7 Days Free' is on again this December

In 2018, 120 students from this school participated in this challenge and raised \$3500 for drought affected areas.

On Dec 6th 2019, students will again challenge themselves with their technology use and raise money for an important cause.

'7 Days Free' is a student-driven initiative of voluntary electronic media restriction by young people.

This event encourages balance and self-regulation around social media usage and empowers young people to use their devices responsibly. Students obtain donations through Go Fund Me for successfully regulating their screen use and adhering to the rules of the challenge.

Excessive media use can be limiting. Research shows that a lot can be gained from restricting screen use including improved physical, mental and emotional well-being, improved sleep, productivity and learning, as well as better present moment awareness and a deepened connection to others.

Funds raised in this challenge goes towards a charity of the student's choice or bush fires relief, saving the koalas or drought relief. Everyone is encouraged to participate in this challenge.

Year 11 Visual Arts have studied the topic of Art in the Environment focusing on artist Andy Goldsworthy. They then created their own site-specific artwork made of materials found near the Parramatta River. Photo documentation of the artworks is important as many of the artworks are ephemeral (short lived) in nature. The artworks explore form and shape, colour, tone, line and pattern.

Spotlight on CAPA (Creative & Performing Arts).



Year 11 Photography



Ayisha



Chloe



Sam



Rosie



Annalisa



Geography; Barangaroo Excursion

Year 9 recently visited Barangaroo in order to supplement our learning and understanding in the subject of Geography. After a short bus ride, we arrived and began taking in our new surroundings. Each class was met by a guide who proceeded to identify the infrastructure we could see.

Our first activity involved taking notes based on interesting facts and statistics provided by the guide. We were given a map in order to study the difference of the shoreline in Barangaroo. It was astounding how dramatically an area could change in such a relatively short time frame and our curiosity lead us to inquire about the motives behind this (compare the point in 1937 and 2017 opposite).

Urbanisation was a topic of discussion and students were able to relate their learning to current events. We had a firsthand experience in seeing the rooftop gardens atop Barangaroo House, Alexander and Andara buildings which replenished some of the natural flora otherwise lost. We then stopped for a quick lunch break in the area and were impressed at the variety of food and drink available. The variety and contrast of cuisines demonstrated social benefits and cultural consideration.

We then proceeded to sketch the view including the foreground, mid-ground and background which revealed the construction of a new railway line which, once completed, will further connect Barangaroo to the rest of the city. We learned how the businesses that occupy the area create jobs which drive the economy.

Our last activity was to test the pH of the water near the shore mimicking the process companies must go through before proceeding with construction. From a geographer's point of view, this was very reassuring as it established the environmental consideration that developers have for the welfare of Barangaroo and its natural assets.

Aside from everything we learned from the hands-on experience, walking around and appreciating the architecture and other aesthetic features added to the enjoyment of the excursion. It is a precinct full of interest and beauty and part of Sydney's heritage.



Mooting

In October, Riverside entered a team of four Year 11 Legal Studies students in the Kirby Cup Mooting Competition and came fourth in NSW - a wonderful achievement for a first effort.

Mooting – arguing a hypothetical legal case, provides students the opportunity to develop skills in advocacy through real courtroom settings.

Throughout Term 3, Gia M, Cara M, Serene H and I worked as a team to develop written and oral arguments based on current legal principles which gave us an opportunity to engage with legal skills and gain a better understanding of the role of lawyers in the legal system.

On the 29th of October, we then presented our arguments in front of ‘judges’ including practising barristers. The judges seemed very impressed by Riverside’s submissions and public speaking skills.

Riverside competed against a range of schools including Pymble Ladies College and St Patrick’s College Sutherland. Overall, the Kirby Cup was a great learning experience and coming in the Top 4 was certainly rewarding. Maitreyi K.

Year 11 at Barangaroo



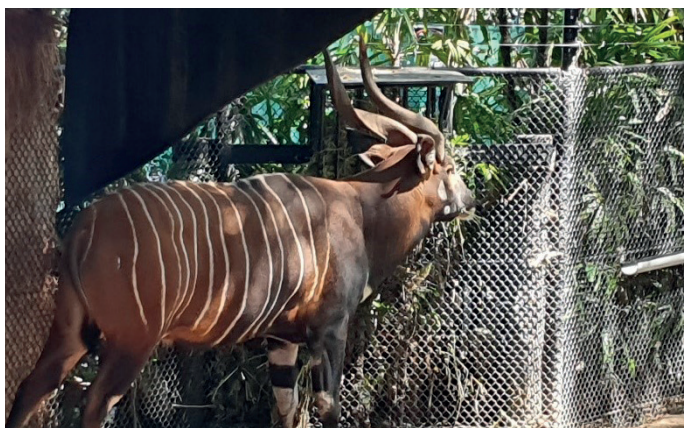


Year 7 Go To The Zoo

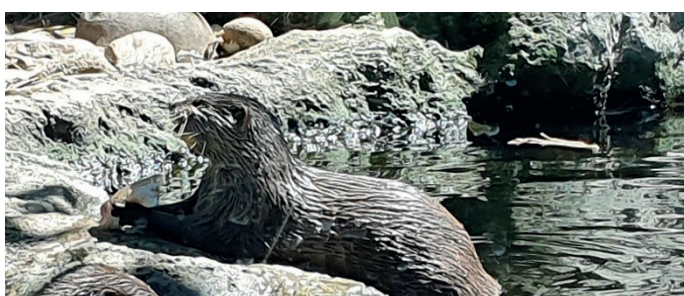
The weather was perfect as Year 7 set off by ferry for Taronga Zoo. Then we were there amid the lush vegetation of Bradleys Head. One of the first animals we saw was a very lazy Sun Bear. Sun Bears are the smallest species of bear, and they are also endangered. Their scientific name is *Helarctos Malayanus* and despite their name, they are nocturnal, and roam around at night.

Then we entered a room, which looked like the inside of an airplane. A screen lit up, and an Indonesian flight attendant began talking about Sumatra, and Sumatran Tigers. These tigers have been classified as critically endangered, as it was estimated that there are only 441 to 679 individuals remaining. Their scientific name is *Panthera tigris sumatrae*, and as we were exiting the 'plane', we managed to see a Sumatran Tiger up close in an enclosure.

We walked down a forest trail and passed more animals, like monkeys and a bongo, until we arrived at The Seal Show. This seal show featured an Australian Sea Lion named Cisco, a rescued California Sea Lion named Bondi, and a rescued New Zealand Fur Seal named Pepper. They performed many different tricks, like diving into the water, jumping out of the water and balancing on their front two paws. The zookeeper fed them small fish as a reward for their tricks.



The crocodile's mouth was open, so I could see all of its sharp teeth, and its scales felt similar to the snake. On the way out, we petted the echidna, which made me a bit alarmed. They told us to have a flat hand and pat it from the middle of its back. And with that, we left the lesson.



At the Australian Walkabout exhibition we learnt about the five different types of animals: reptiles, birds, fish, mammals and amphibians. The zookeeper brought in a huge snake, a baby crocodile and an adorable echidna, which we all got to pat.

Highlights for me were a koala climbing high in a tree, doing its mating call and an emu picking a fight with a goose. The scientific name for an emu is *Dromaius novaehollandiae* and they are one of the tallest birds in the world.

The snake was using one of the zookeepers as a warm tree to hold onto, which made sense because snakes are cold blooded. The snake felt smooth and a little bit bumpy. Tyler described it as a stress ball type of thing that she wanted to squeeze, which gave me all sorts of visuals in my head.



The gorilla enclosures had thick ropes, wooden platforms and woven hammocks in the shade. In one enclosure, all the chimps were resting in the shade, except for one, who decided to get out of the sun. He swung all the way down and climbed across the glass where we were standing, which startled me. He rested in the shade, near a baby chimpanzee, as one tried to wrestle with another.

The chimpanzee's scientific name is *Pan troglodytes*, and they are endangered. They are omnivores and share almost 99% of our DNA.

We saw a meerkat enclosure and decided to stop. The meerkats were so cute and they were all separated into their own groups. One group was lounging on the red dirt and soaking up the sun. The meerkat's scientific name is *Suricata suricatta*, and their IUCN status is LC (least concern). They are omnivores but their diet consists mostly of insects.

We met up again with our class and proceeded to visit the platypus, reptiles, frogs and lizards. On the way out, we saw a small pool of turtles and a Komodo dragon.

Thank you to our teachers for taking us on such an exciting outing.

Crystallization Technique Report

Aim:

To separate a mixture of three different sulfates into crystals, from a solution containing the three salts.

Hypothesis:

If the water evaporates slowly from the solution, crystals of different sulfates will appear.

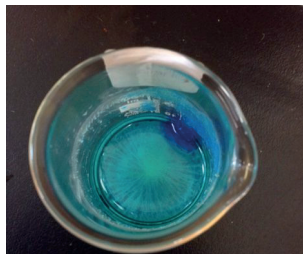
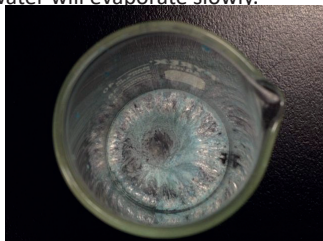
Materials:

- Beaker
- Iron Sulfate
- Aluminum Potassium Sulfate
- Copper Sulfate
- Water



Method:

1. Place the three salts into a beaker of water and stir until they are dissolved.
2. Pour the solution into several different small sized beakers of the same size.
3. Place the small beakers with the solution in a place where the water will evaporate slowly.

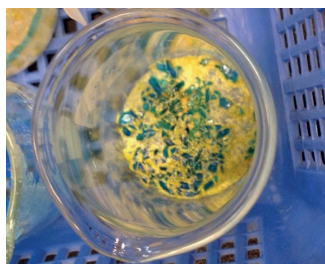
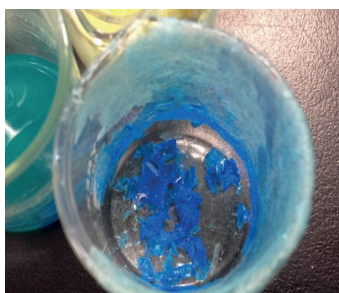


Discussion:

Our results support our hypothesis that slow evaporation will result in the separation of crystals of different salts. We obtained crystals of three different colors which were of three different salts. It took a long time for it to happen.

Conclusion:

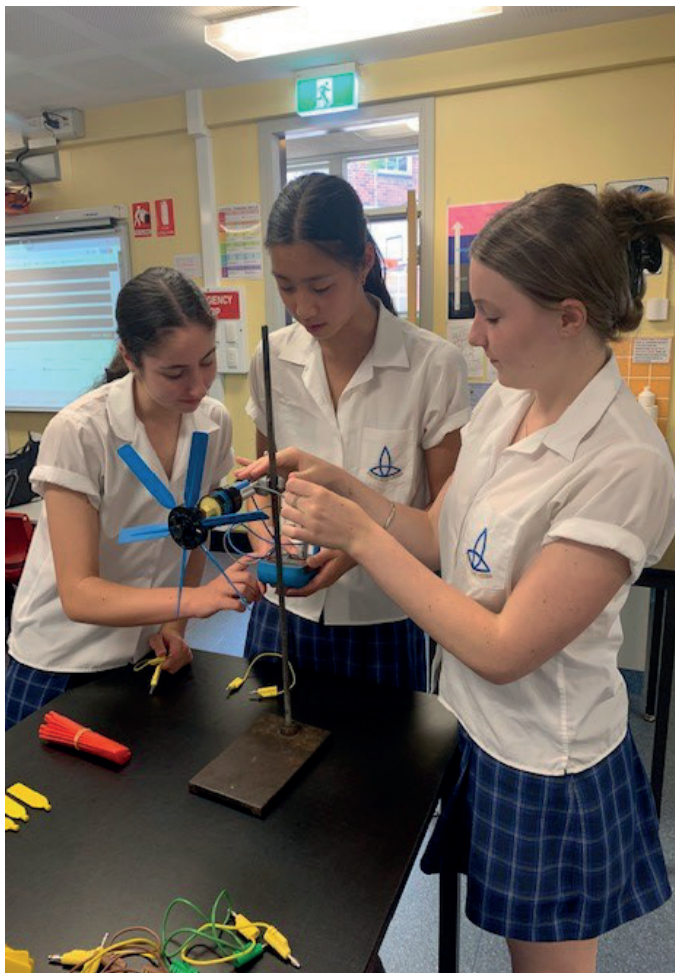
Allowing slow evaporation of a mixture of different salts, it was found that the three sulfates were able to be separated into three different types of crystals.



Experimenting With Wind As An Energy Source

Term 4 in Year 10 classrooms we were studying electricity using the STELR equipment (a kit designed to leverage student learning) to model how renewable sources such as wind can be converted into electrical energy.

We used the windmill in conjunction with a fan to mirror wind in an outdoor environment, and then measured the current (amps) and volts which the windmill produced.



Our group decided to change the length of blades and see what impact it would have on the energy produced.

In ensuring our test was fair we kept all of our controlled variables the same including the setting of the fan (on high), distance of the fan and time in between measurements.

The diversity of this equipment allowed for the opportunity to select different variables of a wind powered generator to experiment with and discover the ways these variables influence the generation of power. Variables we tested included size of blade, number of blades, angle of blades and the combination of blade sizes.

Wind in particular, is a renewable energy source that we need to take more advantage of as it not only improves the environment but is also very efficient.

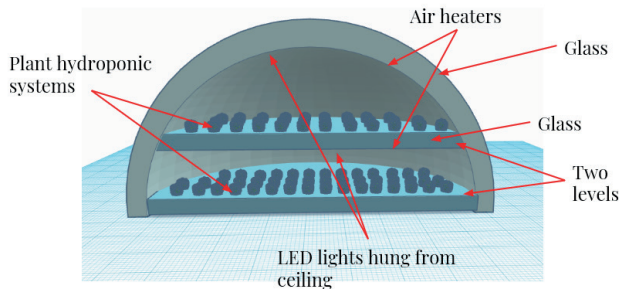
Post Earth Pioneers Stage 4 Science (a STEM project)

The idea of living on another planet / moon is a possibility for some of these students and so this is a "real world" problem. Extensive reference to NASA's Mars proposal reinforces this point.

This is a directed group Project Based Learning unit that investigates the needs of humans and how these could be met on another world.

What follows is a selection of the students' responses with the diagrams devised by the students based on their research.

Our Design Interior

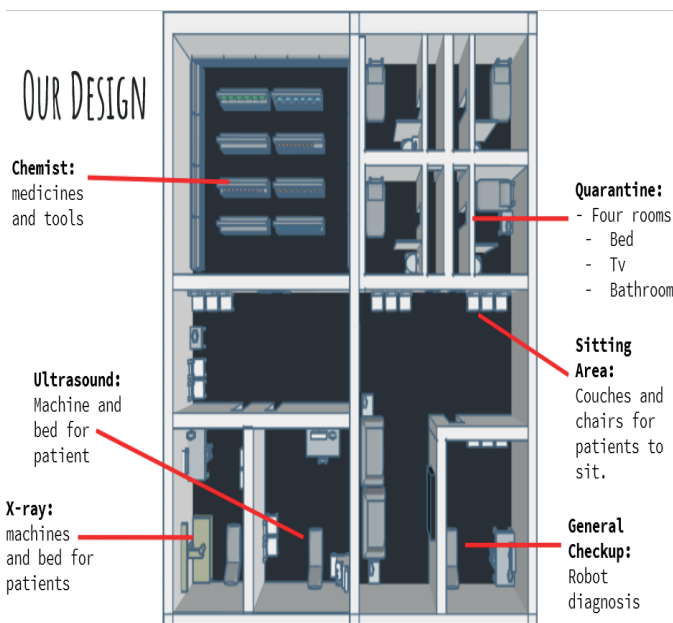


We have designed a structure that considers making food growth possible on Mars. We have calculated how much of each nutrient an adult human needs per day. Within our structure, we will grow a variety of fruits, vegetables, legumes and grains that supply these nutrients. The various factors that contribute to the inhabitability of Mars and how we have overcome them with our structure are as follows.

- To make it warm enough for plant growth, we will supply CO₂ within our structure which, when paired with solar radiation, will emit enough warmth to sustain plant life.
- CO₂ enrichment will be achieved by combustion of the gas with air heaters. The use of a greenhouse gas to aid plant growth is effective as carbon dioxide traps heat.
- During the night, blue and red LED lighting will be supplemented. The blue and red wavelengths generated from LED lighting supply enough light to grow plants.

Living Space

Meeting the needs of 10 astronauts in the areas of social, mental and physical health.



Sleeping Quarters

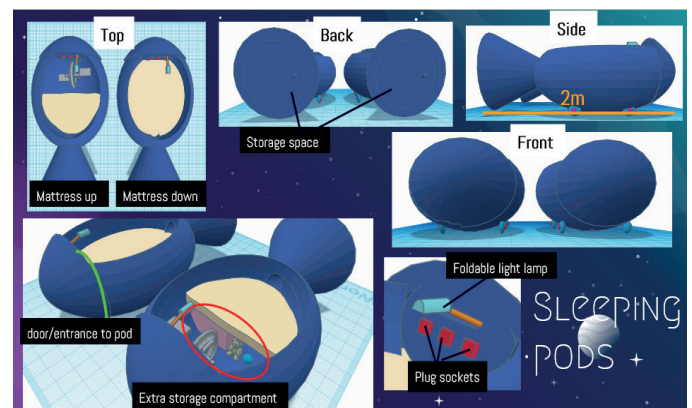
We have decided to create sleeping quarters that encourages and supports joy and therefore a happy and healthy mind.

These are our sleeping pods. The pods have multiple features and functions.

Under the foldable mattress, there are pedals to move the pod around the room, and pedalling can be used as a form of exercise.

There is plenty of storage space, one at the back of the pod and one under the mattress. A foldable light lamp at the bed head including three plug sockets. (to charge your electronics). To enter the pod there is a door at the front.

Studies overtime show that angular objects such as a triangle cause fear and anxiety in a part of the brain while round objects didn't have any negative impact. Scientists believe this is because angles in nature are normally a sign of danger or caution,



We have based our decision of wallpaper on this idea. We chose clouds as they are not angular while every cloud is a different shape.

The clouds also create a sense of weightlessness and elevation paired with the curves that are found throughout clouds, it makes the room seem open and light. Clouds create a feeling of warmth and meditative state, calming and relaxing, all emotions we want to be displayed in our sleep station.

Our pods are round, creating the feeling of joyfulness and security as they move around the floor.

Colour is particularly important as in a very primal way it represents life. Studies have shown that in painted school or workplaces people are friendlier, calmer and more engaged. This exact feeling is what we are aiming for, a comfortable space for people to be themselves.

Using pastel colours will be relaxing and a compliment to the eyes, something they will not reject but love.

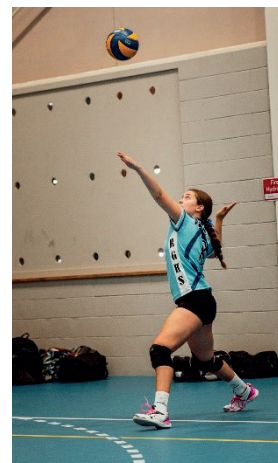


Riverside Volleyballers Shine at Schools Cup

Our Riverside Volleyball Girls were out in force at the recent schools cup held at Olympic Park. We had five of the six teams in action against schools from the public, private and independent sectors of New South Wales.

For some of the junior Year 8 team it was their first tournament. For others, it was yet another opportunity to demonstrate how far they had come, both individually and as a team, amongst such strong competition.

It was particularly pleasing to see how well our girls gelled as a unit whilst working towards a common goal. The sportsmanship on and off the court was excellent.



The Division 1 U/16 team fought hard in a Gold Medal match against a strong and relentless Baulkham Hills team. They went down fighting in a thriller and won Silver as a result.

Our Open Division 2 team won Silver also.

Year 9 Division 1 team: Keeva M, Vanessa Z, Claudia E, Sandani P, Bea A (Captain), Nicole N, Leah T, Kayla V and Holly F.

Open Division 2 team: Brooke E, Amy W (Captain), Ella K, Aneli H, Karen T, Sophie R, Natasha P and Isabel L.

A big thank you to fellow teacher Ms Schmidt and parent helpers Nerradeen Wolken, Meg Ainslie and Ali Andrews.



Sportswoman of the Year Awards 2018-19

Certificate of Excellence in Dance

Hannah Beagin
Meghann Brodie
Elle Billiris
Marianna Curtis
Nina Granatelli
Mikayla Kelleher
Samantha Koop
Sienna Laurent
Sunday Leveson
Jacinta So

Athletics

Mia Hioki 15 yrs +1500m
Alyssa Lowe 16 yrs Hurdles 100m, 100m, 200m record held since 1991,
High Jump Long jump, Triple jump
Aliana Moala 15 yrs, Triple jump
Ada Rand 12-14 years, 800m
Lily Worrall High Jump broke a record held since 1998
Long jump, Triple jump, Swimming
Siahn Woods 15 years 50m Back stroke

Champions of the School

Swimming - Tarah Ogilvie
Cross Country - Ada Rand
Athletics - Alyssa Lowe

Champions of the zone

Swimming - Bianca Pennisi
Athletics - Alyssa Lowe

AGE CHAMPIONS

Swimming

Diana Appleton 12 yrs
Indiana Morgan 13yrs
Lauren Summers 14 yrs
Siahn Woods 15 yrs
Jaycinta Sainsbury 16 yrs
Tarah Ogilvie 17 yrs

Cross Country

Lyra Simpson 12yrs
Elly Pawsey 13yrs
Ada Rand 14yrs
Ella Grainger 15 yrs
Emma Fitzpatrick 16 yrs
Mia Hioki 17 yrs
Rachel Jacobs 18 yrs

Athletics

Lucy Deayton 12 yrs
Aliana Moala 13 yrs
Mikayla Kelleher 14 yrs
Adria McAndrew 15 yrs
Alyssa Lowe 16 yrs
Lily Worrall 17yrs

Zone Age Champions

Swimming - Lauren Summers 14yrs
Swimming- Bianca Pennisi 15yrs
Cross Country -Ada Rand 14yrs
Cross Country- Ella Grainger 15yrs
Cross Country- Mia Hioki 17yrs
Athletics- Aliana Moala 13yrs
Athletics- Mikayla Kelleher 14yrs
Athletics -Alyssa Lowe 16yrs
Athletics -Lily Worrall 17yrs

Athletics Alyssa Lowe 16yrs

Athletics Lily Worrall 17yrs

Combined High Schools Representatives

Athletics

Portia Amy-Wilson
Natasha Fairhall
Lauren Hall
Isa Hioki
Mikayla Kelleher
Mia Marshall
Aliana Moala
Bella Prosser
Ada Rand
Lily Worrall

CHS Athletics & Australian All Schools Athletics

Alyssa Lowe

All schools Cross Country

Tilly Andrews
Isa Hioki
Mia Hioki
Astrid Niven
Ada Rand
Breaghna Wilmot

CHS Gymnastics

Emma Fitzpatrick
Mia Marshall
Georgie Rich
Desma Rich
Lily Worrall

CHS Water Polo

Cara Murray

CHS Diving AND All Schools Diving

Mia Marshall

CHS Hockey

Sofia Ferrer
For Inter Schools Skiing: Amelia Warren

CHS Swimming

Elle Billiris
Layla Bursill
Bianca Pennisi
Siahn Woods

CHS Volleyball

Emily Field
Amy Wolken

CHS Volleyball & All Schools Volleyball

Grace Flockton 11,
Olivia Griffith 12

CHS Volleyball school knockout team

Sienna Boys
Victoria Cunningham
Emily Field
Grace Flockton
Zahlee Freiha
Claudia Freiha
Olivia Griffith
Emily Simmons
Amy Wolken

Volleyball Schools Cup Medalist

Bea Andrews
Genevieve Brooks
Holly Field
Jewel Goggins
Ainslie Hudson
Mikayla Kelleher
Jasmine Kriezis
Giaan Kim
Caitlin Laycock
Lara Marcelin
Nicole Newman
Alicia O'Connor
Sandani Perera
Bella Prosser
Leah Tong
Kayla Van Der Plas
Breaghna Wilmot
Meg Wells
Bridget Yick

Sports Aerobics

In 2018 the following students represented Riverside at Nationals

Amy Coward
Emma Fitzpatrick
Madison Henman
Laura Henman
Chloe Hogan
Alex McWhirter
Holly O'Brien
Paige O'Brien
Bianca Pennisi
Alice Robertson
Andrea Tottszer
Lily Worrall
Nicola Wu
Laura Zaouk

Regional Representatives at the State Championships

Erin Barnes

State Sports Aerobics in 2019

Zoe Davidson
Holly Field
Emma Fitzpatrick
Laura Henman
Madison Henman
Chloe Hogan
Holly O'Brien
Bianca Pennisi
Alice Roberston
Iris Suparpsophone
Andrea Tottzer
Lily Worrall
Nicola Wu
Bridget Yick
Laura Zaouk

Duke of Edinburgh BRONZE International Award

Cloris Guan
Mashal Hameed
Mia Hioki
Ruby Miranda
Vanessa Poon
Cassidy Rhule
Chloe Rogers
Margaret Tran

Outstanding Contribution to Sport

The year 12 students who have demonstrated outstanding contribution to sport are:

Grace Flockton
Sofia Ferrer
Anastasiya Potapenko
Emma Von Thomann

Outstanding Contribution to Dance

Grace Billiris
Niki Foley
Annie Leonard
Tyler Powell
Emily Simmons
Jacinta So
Emma Von Thomann

BLUES AWARD

The year 12 students who have qualified for a School Sporting Blue are:

Sienna Boys- Outstanding -Achievement in Volleyball
Victoria Cunningham -Outstanding Achievement in Volleyball
Emily Field -Outstanding Achievement in Volleyball
Grace Flockton -Outstanding Achievement in Volleyball
Claudia Freiha- Outstanding Achievement in Volleyball
Zahlee Freiha -Outstanding Achievement in Volleyball
Olivia Griffith- Outstanding Achievement in Volleyball
Emily Simmons- Outstanding Achievement in Volleyball
Sofia Ferrer- Outstanding Achievement in Hockey and Water Polo
Lauren Hall- Outstanding Achievement in Athletics
Phoebe Hall- Outstanding Achievement in Water Polo
Madeline Londregan- Outstanding Achievement in Water Polo
Sophie Wilkinson- Outstanding Achievement in Water Polo
Olivia Patric-k Outstanding Achievement in Water Polo
Amelia Warren- Outstanding Achievement in Gymnastics and Skiing
Sienna Boys- Outstanding Achievement in Volleyball
Lily Logue- Outstanding Achievement in Tennis
Tahlia Phillips- Outstanding Achievement in Sailing

Sportswoman of the Year

SUB JUNIOR

The 3 finalists for the sub junior sportswoman award are as follows:

The 2nd runner up is: Breaghna Wilmot

The 1st runner up is: Bella Prosser

This year's Sub-Junior sports woman is Mia Marshall

JUNIOR

The 3 finalists for the junior sportswoman award are as follows:

The 2nd runner up is Bianca Pennisi

The 1st runner up is Ada Rand

This year's Junior sports woman is: Mikayla Kelleher

SENIOR

The 3 finalists for the senior sportswoman award are as follows:

The 2nd runner up is: Olivia Griffith

The 1st runner up is: Grace Flockton

This year's senior sports woman is Alyssa Lowe

OVERALL

This year's Sports Woman of the year is...Lily Worrall



YEAR 11 & 12 HSC

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"Hero Education is a personalised tuition service that has been operating for 8+ years to date. Based in Strathfield, we are dedicated to providing 24/7 academic and emotional support for our senior high school students in Years 11 & 12 as they embark on their HSC journey. We're proud to say that we have the best HSC mentors Sydney-wide. Here are some key details about us:

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Tennis Coaching

Directed by a certified club professional coach

2020

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Starting Monday 3rd February through Friday 31st January

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Starting 1st February

All classes 1 hour per week for 10 weeks

Max 7 per group **Cost \$180** incl.GST

ANZ Tennis Hot shots Free T-Shirt

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jeffviskovich@gmail.com

2020

Summer Holiday Camps

Camp 1 January 6th to 10th

Camp 2 January 13th to 17th

Camp 3 January 20th to 24th

All camps (Monday to Friday)

9am - 1pm

\$200 per child (\$40 per Day) incl.GST

- Private lessons available
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For Children and Adults,
all standards and ages

Court hire \$22/hr, \$24 with lights

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Tennis Australia club professional coach

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Child's name: _____ Age: _____ Date of Birth: _____

Address: _____ Postcode: _____

Phone: Home _____ Work/Mobile _____ Email address _____

Parent's Name: _____ School attending: _____

Ability level (approx): Beginner Advanced Beginner Intermediate Advanced

Preferred days and times: _____

Senior Leaders Vision for 2020

