



In Flight



Innovators At Work

Delving into the creative and critical thinking of our youngest innovators

Class of 2021

Year 12 success in summary

International Experience

See life as an international student



The Class of 2021 Year 12 students, Ms Harwood and Mr Anderson form a circle as they celebrate the end of their journey as a student of St John's Grammar School.



From the *Principal*

Part of our intention with *InFlight* is to showcase some of the new and exciting opportunities the School has introduced for students. In this publication you will learn more about the remote learning provided for young people, particularly our international students, who have not been able to attend school. Then there is the new Multi-Maths Challenge, some more news on innovation and exceptional learning and the Prince Phat Phun Fair.

The School has a more formalised approach in the development and management of these programs. Our co-curricular program is a set of additional learning opportunities that are directly related to each of the School's curriculum areas. Every 'department' of learning aims to incorporate signature learning experiences to their annual programs with the aim of adding relevance and authenticity to learning, as well as inspiring our young learners with unique and diverse opportunities. Our extra curricular program incorporates all those activities that fill school-life, like music and sport. There are five domains of extra-curricular: Performing Arts, Sport, Oratory (such as debating, public speaking), Service (AWARE, YELP, Wellbeing and Reconciliation) and Frequent Flyers (Tournament of Minds, Formula 1, Subs in Schools).

The School has appointed a number of key people who drive and manage these exciting domains of school action. Bron Sharpe is the Coordinator of School Life (Junior School) and has streamlined an exceptional and growing set of experiences for our younger students. In 2022, Paul Travis takes on the role of Coordinator of Extra Curricular and Hilary Moffa is ready for the challenge of being the High Flyers Coordinator. Paul's role involves mapping out and resourcing all of the programs, as well as the coordination of all the outdoor experiences. Hilary is coordinating the Frequent Flyers lunchtime programs for those highly capable kids on both campuses and then directing all the activities that stem from that program. She is also looking at identifying exceptional talent and supporting staff in incorporating enrichment learning on an everyday basis across the School.

Our students are fortunate to have so many wonderful options to choose. The staff deserve full credit here. We have a team of dedicated teachers here at St John's Grammar who constantly look for new ideas. They listen to our students and what they want to see introduced. Student clubs have grown in the past three years. Currently we are exploring the gardening club, further environmental sustainability opportunities and some exciting options in technology, robotics and Lego! I look forward to sharing more in future *InFlight* editions.

Richard Anderson
Principal

YEAR 12 RESULTS SUCCESS IN SUMMARY

19 MERITS ACROSS 9 SUBJECTS

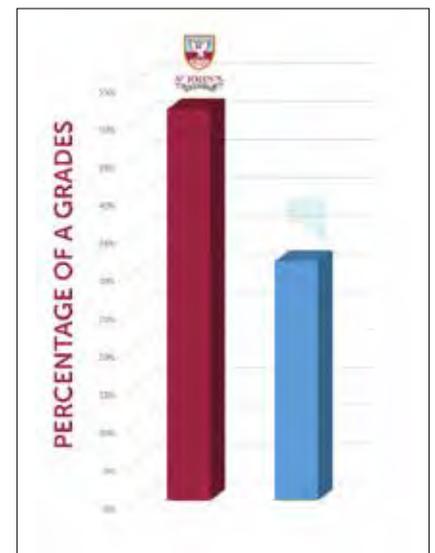
Jake Kuchel Industry & Entrepreneurial Solutions Research Project	Lucas Scoop Specialist Mathematics, Physics, Chemistry, English Literary Studies Japanese Research Project	Mikaylah McDonald Biology Research Project
Piers Bastin-Tiering Mathematical Methods	Wirra Benveniste English Literary Studies	Mia Holroyd Research Project
Jaye Jarvis English	Christopher Lieberenz Mathematical Methods	Alice Mason-Tapping English Literary Studies
Daniel Madonandy Mathematical Methods	Ryan Percevaull Mathematical Methods	Lath Soden Mathematical Methods

18 MERIT EQUIVALENCIES ACHIEVED IN UNIVERSITY SUBJECTS

Rhys Bassett	Mia Holroyd	Grace Keating
Violet Maltard-Moody	Alice Mason-Tapping	Harriet White
Jessie Anderson	Rene Coetzer	Emily Harwood
Jayden Lockwood	Joel Ransom	Caitlin Slobedman

SUBJECT AWARD WINNERS

Accounting: Harper Huffa	Industry & Entrepreneurial Solutions - CAD: Jake Kuchel
Biology: Mikaylah McDonald	Japanese: Anook Simpson
Business Innovation: Will Jordans	Mathematical Methods: Ryan Percevaull
Chemistry: Lucas Scoop	Modern History: Benjamin Hill
Design & Technology: Thomas Shepherd	Music - Ensemble: Ciara Fahy
Drama: Wirra Benveniste	Music - Solo Performance: Ciara Fahy
English as an Alternative Language: Alex Lum	Music Explorations: Mikaylah McDonald
English: Jaye Jarvis	Philosophy: Emily Harwood
English Literary Studies: Lucas Scoop	Physical Education: Cade Kennedy
Essential English: Alana Tiller	Physics: Lucas Scoop
Essential Maths: Matthew Ortmann	Psychology: Joel Ransom
General Mathematics: Lachlan Pattison	Research Project: Mikaylah McDonald
Geography: Rene Coetzer	Specialist Mathematics: Lucas Scoop
Health & Wellbeing: Jaye Jarvis	Visual Arts: Alexandra Murphy
Health & Wellbeing: Rene Coetzer	



TOP GUNS

STUDENTS WHO ACHIEVED AN ATAR OF 90+

Jessie Anderson	William Jordans	Alexandra Murphy
Rhys Bassett	Grace Keating	Lachlan Pattison
Wirra Benveniste	Cade Kennedy	Joel Ransom
Rene Coetzer	Jake Kuchel	Joel Ransom
Harrison Fisher	Isabella Li	Janet Spragg
Ciara Fahy	Alex Lum	Caitlin Slobedman
Emily Harwood	Violet Maltard-Moody	Lath Soden
Mia Holroyd	Alice Mason-Tapping	Albert Thompson
Harper Huffa	Olivia Hansen	Kathal Menni
Warwick James	Mikaylah McDonald	Harriet White
Jaye Jarvis	Charley McDonald	Nicholas Woloshin
	Lauren Pittman	

NATIONAL ATAR RANKING

40.9% SCORED IN THE TOP 10% NATIONALLY	3.6% SCORED IN THE TOP 1% NATIONALLY	26.5% SCORED IN THE TOP 5% NATIONALLY
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LEARNING TO SOAR

The Class of 2021 achieved excellent final results. In another challenging year, the students showed great conviction and resilience to generate wonderful outcomes that will now open those doors to their chosen fields of further study and work. These exceptional results occur because our talented students have talented teachers, who year after year, go above and beyond in their support, guidance and care. They should all be very proud of what has been achieved this year.

Congratulations to our School Dux, Lucas Scroop, who achieved an ATAR of 99.95, and to our Proximae Accessit, Joel Rajkowski who achieved an ATAR of 99.05.

Lucas achieved a 'perfect score' - the highest ATAR within Australia, with six Merits in Specialist Mathematics, Physics, Chemistry, English Literary Studies, Research Project, and Japanese, which he completed in 2020.

12 students were awarded a total of 19 SACE Merits across nine subjects, and a further 18 Merit equivalencies were achieved by 12 students across multiple University subjects.

A highly commendable 3.6% of our Year 12 cohort finished in the top 1% nationally, with an ATAR above 99, with 26.5% of our students finished in the top 5% nationally, with an ATAR above 95.

A total of 34 students (41% of our cohort) join our Top Guns, a unique group reserved for students who achieve an ATAR above 90, placing them in the top 10% nationally.

A very pleasing outcome for our 2021 cohort was that just over 50% of all grades achieved were A grades, compared to a state average of 30.36%, and a special mention to our International Students, who performed very well under particularly difficult circumstances.

I would like to extend my congratulations to all parents who worked in partnership with the School in guiding and supporting our Year 12 students throughout the year. Generating such outstanding results requires a team effort, and that marriage between home and school remains formidable at St John's Grammar.

Congratulations to our Class of 2021!



SCHOOL DUX
Lucas Scroop ATAR of 99.95 and
six Merits.

Lucas achieved the highest ATAR score possible and six Merits in Specialist Mathematics, Physics, Chemistry, English Literary Studies, Research Project, and Japanese, which he completed in 2020.

Lucas was also awarded The Peter Alexandrou and Harris Real Estate Award for Chemistry, The Elaine Mussared Perpetual Award for English Literary Studies, The Peter Mussared Perpetual Award for Specialist Mathematics and The Bowden Family Award for Physics



PROXIMAE ACCESSIT
Joel Rajkowski ATAR of 99.05.

Joel has achieved exceedingly well, receiving A grades for all subjects: Biology, English Literary Studies, Specialist Mathematics, Physics and Research Project.

Joel also completed SACE Stage 2 Mathematical Methods whilst in Year 11 last year, and was the highest achiever in this subject in 2020, being awarded The Lambert Family Award for Mathematical Methods.

The International Experience



Dealing with COVID-19 through 2020 and 2021 has been challenging. We worked our way through lockdowns and travel restrictions, COVID-19 tests and vaccinations. Many of us have maintained a positive attitude and, in some cases, relished the extra time spent with our families.

This is not the case for our international students.

For those lucky enough to make it back to Australia at the start of 2020, before COVID-19 forced border closures, this 'luck' has also meant that these students have not seen their families since.

Alex Lum, a St John's Grammar international student who graduated Year 12 in 2021, tells us about his journey:

I am really close with my parents, so to be away from them for so long has been extremely difficult for me, especially while completing my Year 11 and 12 studies. I missed going home and sharing meals with my parents as this was such a close bonding time for my family. I am so grateful for video chat! We have spent a lot of time on the weekends catching up and talking about what we have been doing. These conversations and the support my parents give me has helped me to keep working hard and get such great results!

My peers have also been great. We all supported one another and tried not to think about home. We got on with our lives here at St John's Grammar, concentrating on why we were here. Now that I have graduated, I have booked a flight home. I have been away for so long now that I am actually quite nervous about going home. What has changed while I have been gone? Will my relationships with friends and extended family be the same? My excitement does outweigh my apprehension. I really can't wait to go home and smell that familiar scent of home and finally sleep in my own bed, in my own bedroom, in my own house.

PERSISTENCE PAYS OFF

The sheer resilience, strength and grit that so many students have shown, and many continue to show, highlights that what we do here at school is just a small part of the bigger picture. We play such an integral part of shaping these outstanding individuals into young adults who are ready to take on just about anything that life can throw at them!

Though many of our students did make it back to Australia to continue their schooling, there are many continuing and new students that are yet to step onto Australian soil. Online learning has played an important part of our International Program throughout the last two years and has been a continuing journey for the teaching staff, trying to perfect the learning for our students.

The ten online students had to face their own set of challenges. From technical problems to time differences, from language barriers to the craving for participation, our students have shown a high level of organisation and self-management throughout the whole year.

PARTNERSHIP WITH FAMILIES

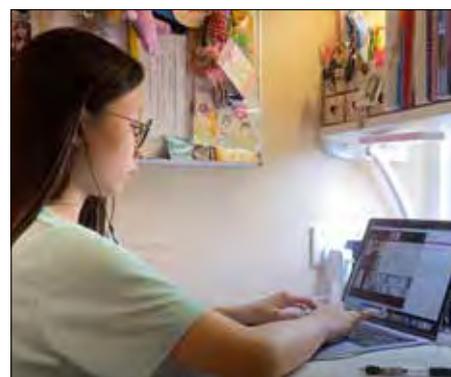
Our youngest online learner, Jordan Sunartio, who is currently in Singapore, wanted to ensure his learning experience was not compromised during a recent

Science class where the Year 6 students were dissecting a lamb brain. His parents were able to get Jordan his very own specimen so he could follow the step-by-step instructions and see first-hand just what the whole class were talking about. This is just one of the examples where students, teachers and parents have all pulled together to ensure that although the challenges can be many, the overall outcome is successful and the journey itself is enjoyable.

Evan Zhuang has persisted through online learning for two years. He started in Year 7 in 2020 and was described as being an active and social student. Evan has shown such dedication and commitment to his learning and maintained his positive approach. When asked for his highlight, he said that speaking to local students in Maths class was what he looks forward to the most each week.

OVERCOMING OBSTACLES

Punctuality has been tricky for a lot of online students to maintain, especially in the depths of their winter when they have to wake up to attend their first lesson at 6.10am local time. Emmanuel Sunartio has made it all look so easy. His outgoing personality and witty sense of humour have brought many laughs to his local friends.



True friends are really not that easy to make at 16 when you are on the other side of the world. Alas, this is one thing that Emmanuel has been able to do so incredibly well, all while achieving A grades across all subjects in Year 10.

Online students don't have the benefit of playing basketball after school or attending parties with their friends. Classes and online chats have been the only way they are able to form meaningful relationships with students and staff. Our more introverted students have had to tackle this task quite strategically and at their own pace. Our designated online support, Maggie Li, has played an integral part in helping this process along the way by providing the unwavering support that our students need.

STAYING CONNECTED

Our international team has been working hard behind the scenes to ensure our international families are kept up to date with changes. We have developed our own REACH program which includes term-based initiatives to engage future students. They received personalised videos called "We are waiting for you" from their Homegroups, they and their parents had online parent-teacher

interviews for us to iron out their concerns and hear their stories. They attended open classes via Zoom with our current Year 9 captains. They also receive monthly newsletters to learn what is happening here at school and in South Australia, as well as up-to-date news surrounding the international border closure, as well as what to expect when they arrive. Students have been busy checking vaccination rates to navigate how soon they are able to travel.

WELLBEING IS A PRIORITY

At St John's Grammar we are so proud of the wellbeing program we have in place. The need for strong wellbeing support has been apparent and well delivered. For those international students, there is an extra layer of support they require from us. One thing we are certain of is that, when they do arrive, we will recognise them and know them, respect their resilience and determination. We are excited about making the rest of their journey at St John's Grammar spectacular.

Jo Zhang
International Student Coordinator



FAREWELL SARA-LYN

It has been our pleasure to welcome and host German exchange student Sara-Lyn Heidemanns for her Year 9 journey.

We were so excited to have a Zoom enrolment meeting during 2021 with Sara-Lyn and her family, whilst they were in Germany. Sara-Lyn handpicked our School from afar to undertake a year living as an Australian school student. Her father grew up in Australia and Sara-Lyn had visited our shores, as a much younger child to see her grandparents.

After the inevitable anxious start, leaving family and adapting to our school-life, Sara-Lyn fell in love with her life here. Friends, of course, for a Year 9 student, have been integral to this. Indeed, Sara-Lyn intends to continue her connection with her new friends and plans to reconnect in person one day.

Sara-Lyn's favourite subject has been The Rite Journey, and the associated service and challenge events such as the Flinders Ranges camp, Relay for Life and the birthing kit assembling/sleep over night!

The School was flexible for Sara-Lyn's curriculum needs for when she returns to Germany, making space for her to continue with the German Science curriculum and learning and preparing for her B1 level French Ministry of Education exam.

During the year Sara-Lyn also gave back. She worked to achieve her Duke of Edinburgh Bronze, conducted peer-to-peer reading support and coached sport. Sara-Lyn talks about how she's experienced what it means to be part of an 'Aussie' family – the Every's, what it means to care for and love a dog, what a Swimming Carnival and Athletics Carnival are all about, what it means to "earn points for your House", how nice it is to live in bushland and contemplate the koala in the tree out the back while taking a break from doing homework!

She even had a close encounter with a gigantic huntsman spider, which did nothing to cure her phobia of spiders and insects, she laments! Sara-Lyn's parents write, "We really did make the right decision by sending our girl into your school's care and she absolutely loved her time".

The experience was wonderful for her, and in turn contributed greatly to our School! Thank you Sara-Lyn and we look forward to next time we meet!

Ben Clark
Head of Middle School

FUTURE THINKERS



EDUCATING ROBOT

Girls' access to education is a big problem in many places around the world. Uneducated girls often end up having children very early in their lives, sometimes girls are as young as 12! It becomes a cycle of dependence on others when they don't have an education to get a job, earn money, access housing and so on.

We created an Educating Robot called 'Penelope' to educate girls about their health and wellbeing as well as important skills like Reading and Maths. Our robot is equipped with a solar panel charger on the top and a wireless card to contain the information the robot will say which can be heard through a speaker.
Lilliana Fiacchi & Emma Bielby



MY FUTURE THINKING

In Australia, direct livestock emissions cause around 70% of greenhouse gas emissions from the agricultural sector, and 11% of total national greenhouse gas emissions.

I considered collecting methane from livestock (burping and ahem....flatulence!), but the idea of "a fart in a bottle" didn't quite work....! Research showed that swapping 0.5% of a cow's daily feed with *Asparagopsis taxiformis* (red seaweed native to Australian coastal waters) has been shown to reduce methane production by 74%. Better still, the seaweed farms would 'drawdown' carbon dioxide from our atmosphere.... it's a win-win!!

Bridie Wilson

It's comforting to know that the future is in safe hands with the enterprising and creative problem solving of our Year 5 group who have been solving world problems of future cities in their Future Cities project.

Here's just some of the fantastic ideas....



ECOBUBS

We focused on the problems of air pollution and traffic.

One solution was to create electric bamboo cars that could lift off the ground!

An Eco Bub is a flying vehicle that can get you anywhere quickly. It is electric and does not use fossil fuels and it will reduce traffic jams and obey all road rules. Originally designed for one person, we're now making a family Eco Bubs.

Jett Thomas, Maile Weepers & Elsie Welsh



Around the CAMPUS



YEAR 8 LANGUAGE FAIR

Year 5 and 6 students visited the Secondary Campus for a fun filled morning of Indonesian and Japanese culture as part of the Year 8 Language Fair. The Language Centre and Asian Fusion Garden had an exciting festival atmosphere throughout the morning, with groups of Year 8 students given the task of preparing an activity stall to showcase their chosen language to Year 5 and 6 Junior School Students. They had to seek ideas, problem solve and knowledge dive to communicate their knowledge of Indonesian or Japanese culture to a continual flow of younger students as they visited each station. The range of stalls and activities ranged from Japanese calligraphy, Anime and bento boxes to Indonesian untranslatable words, animals and food.



RELAY FOR LIFE

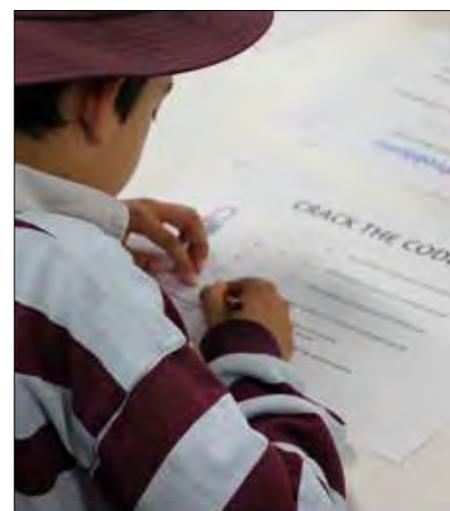
What is my purpose? What do I have to give? These are two big questions that our Year 9 students are asked to explore during Term 4, as part of the final stages of the Rite Journey program. And they certainly had a chance to ponder these questions as they put their time and energy into raising funds and awareness for the Cancer Council's Relay for Life event. Undertaking a modified event again this year due to COVID-19 meant that our relay event was a St John's Grammar event only. Our event saw the students keep 28 batons going around the track for the whole day – 28 symbolising the number of people in SA who are diagnosed with cancer each day.

Since 2017, Year 9 students have taken part in Relay for Life as a component of their Rite Journey program, a year-long rite of passage initiative that equips students with the skills, awareness and mental resilience to progress into adulthood.



YEAR 6 HAUNTED LAB

As part of the physics and electricity unit in Science, the Year 6s came up with a Haunted Science Lab display. They had to create circuit diagrams and plans for their displays which needed to include a motor or light or sound buzzer and a switch. They created some fantastic displays and then the day after Halloween we turned off all the lights and the Year 6s opened the lab for the other Junior School students to tour at recess and lunch. Many turned out to come through and enjoyed pressing and joining switches for a spooky fun display!



MULTI-MATHS CHALLENGE

More than 112 students from nine different schools converged on St John's Grammar for our second-ever Multi-Maths Challenge event (previously called Athletics Day). Small teams competed in a series of challenges which were organised into timed rounds featuring everything from quizzes, puzzles and treasure mazes through to code breaking to diffuse a pretend bomb. Students raced the clock, and each other, to complete the challenges and earn as many points as possible to ultimately be named as the Multi-Maths Challenge winners.

Amongst furrowed brows and furious scribbling, there was lots of laughter and camaraderie as the teams worked together to calculate and formulate their answers. Due to cancellations brought about by COVID-19 the event was run on two different days to accommodate our visiting schools.

Both days were closely fought affairs, the winning team on the first day was our own Year 7 team and on the second day Seacliff Primary School came out on top with the highest score over the two days of 57 points out of a possible 75.



Year 5 Band Concert



Prince Phat Phun Fair

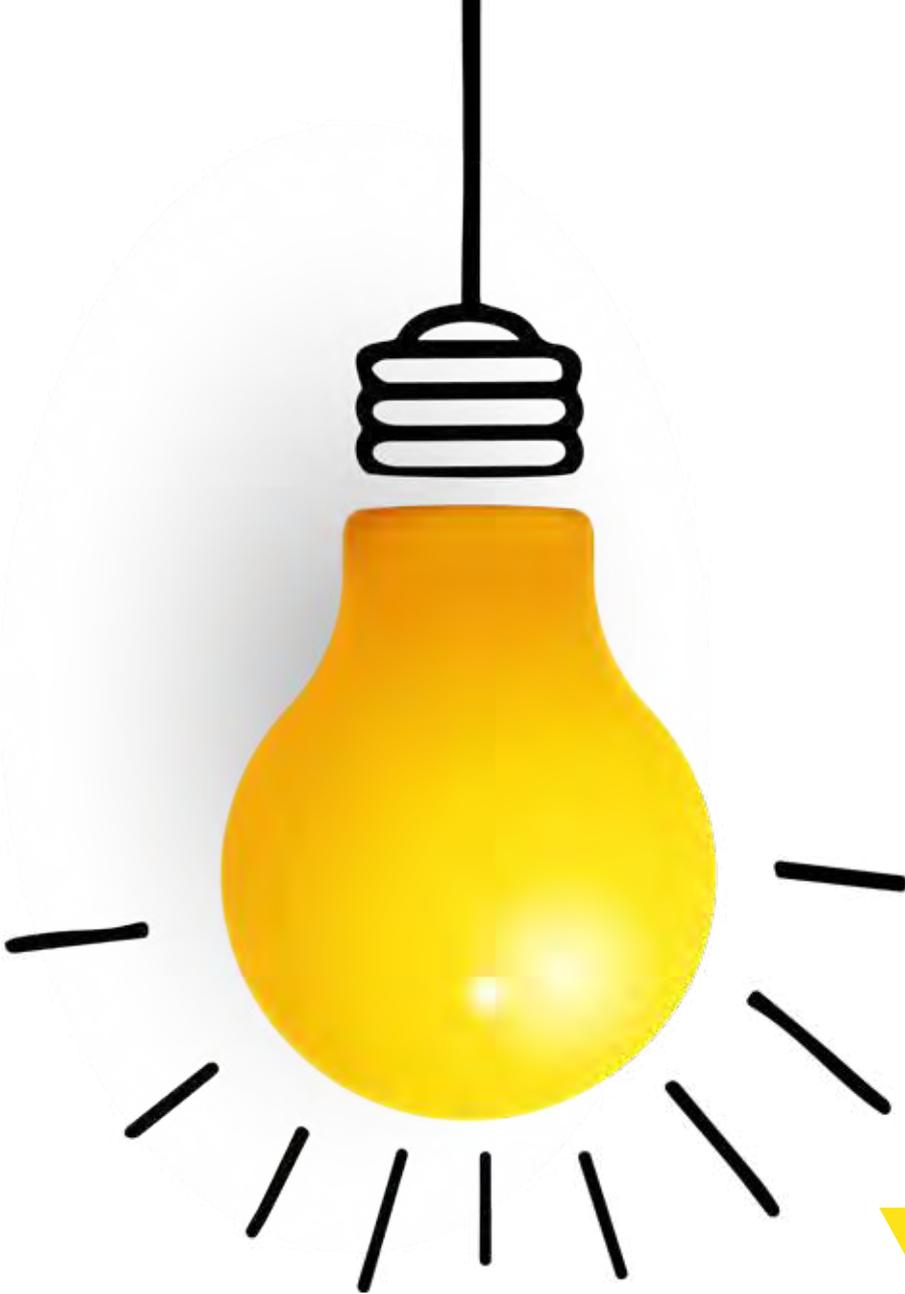


As a House-led initiative, Prince House held a fundraising event for Beyond Blue which fortuitously coincided with *RU OK Day*.

As well as a casual clothes day, there were a multitude of activities to support everyone's wellbeing. From listening to the band, purchasing raffle tickets, eating tasty treats from the cake stall, entering the teacher's pets competition, making stress balls, joining in the Conversion Club, taking a stand for social justice at the AWARE stand, playing giant Jenga, Finska, giant Connect Four and more, right through to chilling with 'old school' cartoons screened in the chapel or yoga with Ms Kuchel. Those after a creative outlet could participate in Year 12-led workshops on colouring, making friendship bracelets, origami and more.

The wonderful range of activities allowed everyone to find something to support their wellbeing and there was an absolute buzz in the air as you wandered around the festivities. Their amazing efforts resulted in more than \$1000 raised for Beyond Blue!





THE YOUNG ENTREPRENEURS

As part of the Year 5 'Triple E' program a small group of students chose to challenge their creativity and problem solving in the competition, *Shark Tank*. *Shark Tank* challenges students to identify a problem in their community, home or in their personal life and invent the solution to 'fix' it.

Using tinkercad, students took their ideas from paper and created a 3D digital design which they were then able to further manipulate and develop through the use of virtual (VR) and augmented reality (AR).

Using this technology, students were able to present their ideas to a panel of industry experts at the competition judging.

The finalists were treated to a day at Tonsely where they saw real life innovators at work, talked to entrepreneurs and engineers and were able to 3D print their inventions. Thank you to Lumination and the Flinders University's New Venture Institute who have played a huge role in making this possible for our students.



Lachlan Bowes | Solar Plant Box with heat lamps

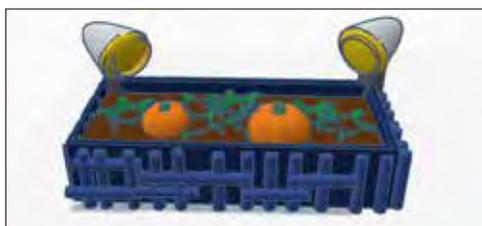
I live on a property and many plants fail due to limited amounts of sunlight, for various reasons. The Solar Plant Box provides an intelligent, sustainable, cheap and environmentally-friendly solution to provide readily available light to help plants grow.

If produced on a mass-scale it could advance agriculture, help Scientists develop plant-based vaccines and medicines and provide food banks with plentiful food to give, among many other benefits. The design includes solar panels, daylight sensors, a battery charger and red spectrum lights.

I liked designing the initial product and developing it in VR and then 3D printing it. I've really enjoyed learning more about coding and using it to make something of my own invention.

Throughout the project I could refine my ideas. I did a lot of research and built my own prototypes to test different light sources.

In the school holidays I will be building prototypes and hope to take this idea further and get it out to investors in a few years with the help of St John's Grammar's Innovation and Enterprise programs.





THE YOUNG



Archie Molyneux | Seed-imbedded takeaway food packaging

I have always been bothered by how much waste comes from junk food packaging, so I came up with seed imbedded takeaway containers.

People can choose what seeds they'd like from a menu and then once they've finished their meal, take home the packaging and plant it in the garden rather than just throw it away. I thought about imbedding seeds on all packaging but thought the box would work best for imbedding the seed in the cardboard. I also thought it could extend to chip packets.

I really enjoyed going to Flinders and enjoyed the process of coming up with a design. I'd like to develop this idea and expand it in the future.

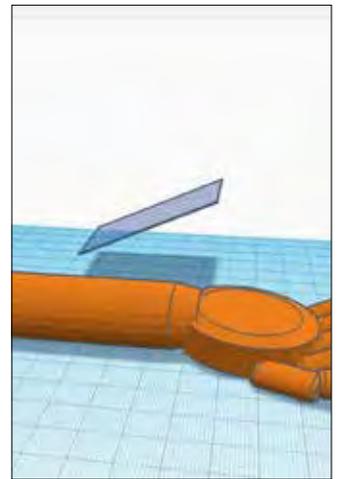
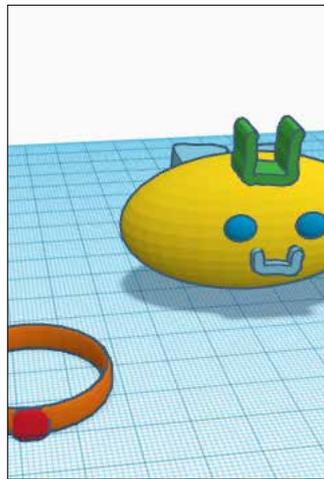
Archie Winter | Heated sling

From personal experience, I discovered that when you're in a sling your arms get sore. I decided to invent a sling with an inbuilt massager as well as a heating element to warm up your arm without having to remove it from the sling.

Being a student guided project, I enjoyed the freedom to develop my ideas with only some guidance and input from the teachers.

I hope to get a 3D print at full size and actually have a sling with all the working parts and if I could develop it further in the future, I hope I could sell it to hospitals.

ENTREPRENEURS



Lucas Mitchell | Friendship bot

Peter Hao | Holographic phone

My invention is a friendship pocket robot connected to a band that you wear. When you press a button a magnetic pull draws the bot out your pocket and it activates and talks to you. It can record things, talk to you, it can be pre-set with mediation strategies or even just listen to you when you want to get something off your chest without telling your parents. The idea came from research which showed loneliness and fighting were common and stressful issues and there wasn't much out there that could tackle the problems proactively without having to involve an adult (who kids often don't want to talk to).

My favourite parts were seeing other innovators at work at Tonsley, Jeff Bezos' robo dog and sampling the cafeteria at Tonsley.

From my mum's experience, I saw that it costs a lot of money to replace a phone screen and if it gets broken a lot, it adds up. So, I designed a hologram phone that is projected onto your hand from a watch.

Having a hologram solves issues with breakage, plus it's much harder to lose your phone and it prevents people from being able to steal your phone. It is much easier to carry around. I like this invention and think it is possible. There are already hologram keyboards available, so this could be as accessible as that.

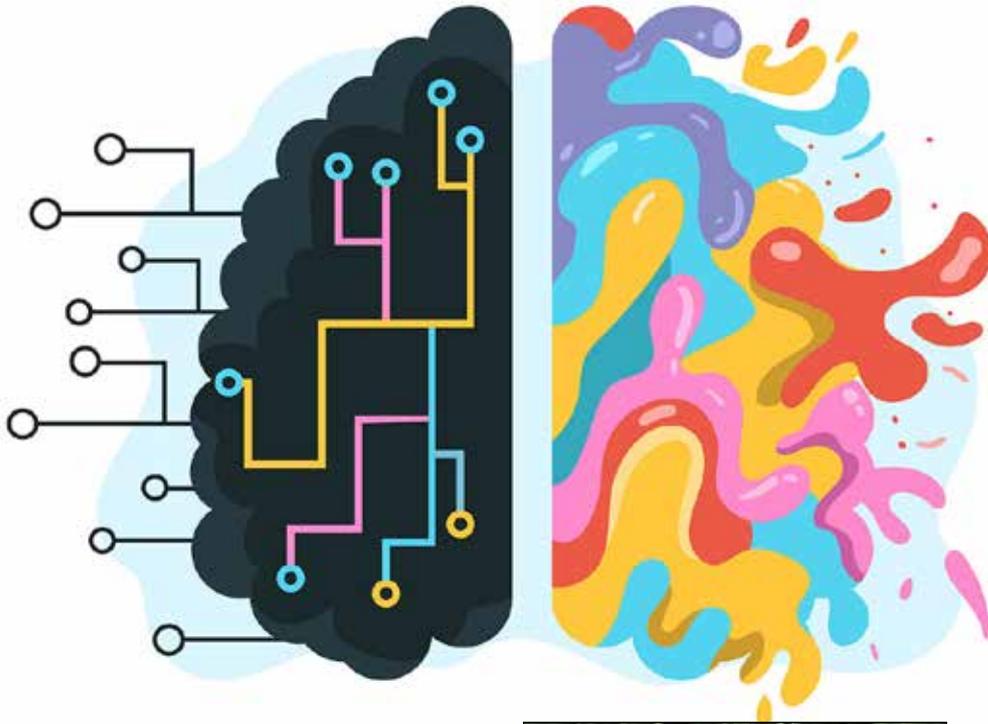
My favourite parts were seeing the finished design in VR and also knowing it's something that will help others, I felt really proud. I enjoyed creating it in VR.





HUMAN kind

For thousands of years the human figure has appeared in Art. Early cave paintings show figures of hunters depicted by a few strokes. In Ancient Greece, human figures were the focus of the images found on the decorative vases. Through the ages the human figure has been the source of inspiration in all forms of Art; in portraits, storytelling, capturing historical and world events and beliefs. In the *Human Kind* exhibition, students from Year 7 - 11 observed the human form and explored the idea of what it means to be human.



YEAR 8 INNOV8

Year 8 Innov8 is a signature experience of our Year 8 program where all students are encouraged to identify, devise and create an invention to solve a problem, fulfil a passion or expand on an idea. The diversity in student projects is one of the highlights of the competition.

The ideas don't get pushed to the side when the competition finishes either; as part of our school-wide Innovation and Enterprise Learning Framework, we have established an innovation 'Flight Fund'.

For particular designs that are appropriate for further work, there is an opportunity for the student creators to be supported by external partners to assist with refinement of prototyping, pitch creation and marketing to potential investors.



SWIMULATOR

Swim training equipment to aid swimming stroke correction

The Swimulator is a full body training contraption that uses a pulley system to assist with swimming stroke correction. Sustainably made from recycled parts, this model used repurposed items from a cubby house, a bench, ropes and bicycle rims attached to water filled bottles that help to leverage the pulley system.



DIABETES HYPO KITS

Hypo-kits for people who have type 1 diabetes.

I am diabetic and I always have to make another hypo-kit every time I have a hypo (2-5 times per week).

My idea was was to create a website that sells ready-made hypo-kits. Hypo-kits are not available online and you currently have to make your own.

Selling them online would help other people because it would save a lot of time for them. They would be quick and easy to order.



MUSIC PAGE TURNER

Foot operated sheet music page turner.

Our invention makes it easier to turn the sheet music pages when using instruments that require two hands. We came up with this idea from both experiencing and seeing other people have issues turning the pages while playing a musical instrument.

Through the course of the project the backing material was changed from cardboard to a plastic wood composite. We did this because the cardboard was weak and looked unprofessional. This change also allowed us to change the way we attached the page turner from clip based to magnetic. We learnt a lot about material applications and construction methods.

We hope to improve on the design, manufacture it and sell it.



EASY READER BOOK HOLDER

Hands free, recycled material 'book-holder'

Some people find it difficult to read, especially if they have problems holding the book, for example, arthritis or a broken bone - this design holds the book on your lap for you and so page-turning requires only one hand.

Although this product is already on the market, I decided to research all the issues from the already existing book-holders, and find a way to make a book-holder that eliminated all problems.

I have to say that I am very satisfied with my finished product. However, if I were to take it further, I would attempt to find a way to make the holder fit multiple book shapes, rather than just the average novel shape and size.



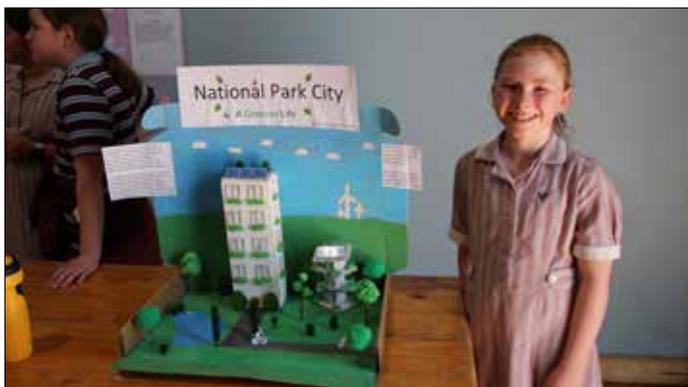
COVID-19 DETECTING MASK

A mask that distinguishes when it catches COVID-19 particles.

I wanted to focus on a bigger issue in today's society, and the pandemic and the queues for tests was an area of interest for me.

The mask has a three-phase process of testing for COVID-19 particles, with each test taking approximately 90 minutes with notifications on test results delivered to your smart watch. There were multiple benefits of my mask, including reducing single-use waste, improving testing capabilities and risks and to minimising the spread of COVID-19.

I learnt a lot about the science behind COVID-19, particularly the molecular structure of COVID-19, as well as about how DNA probes and face masks work.



FESTIVAL OF IDEAS

All Junior and Secondary staff and students joined together on the Secondary Campus for a wonderful celebration of the ideas, creativity, passion and innovation of our students for our Festival of Ideas. The event saw collaboration and teamwork at its best, and gave an opportunity for our students to articulate with clarity and passion, their ideas and convictions. From student enterprise and agency projects through to causes, concerns and challenges, the event promoted student agency and encouraged all who attended to broaden their thinking, ask questions and build their knowledge. It also provided an avenue for students to challenge the thinking of their peers and introduce them to new ideas and concepts.





2021 Reflection

from our Chaplain

In 2021, my chaplaincy at St John's Grammar School reached the end of its second year and it continues to be a rich and fulfilling role. I am writing this in the after-glow of our inaugural Carols on Campus – A Service of Lessons and Carols. It was held on the beautifully renovated lawns in front of Retreat House. Over 100 students performed, our Archbishop Geoffrey Smith preached, staff and students from across all three campuses read the lessons and a great swathe of staff pulled together to make it a night to remember.

To close out the year, I was blessed to take part in the Year 6 Valedictory and the Reception's performance of the Nativity to all students and their parents. This is mostly due to the hard work of Jenny Chapman. It seems a long time now since the Year 12 Valedictory Eucharist at the beginning of 2021. I talked to the students about God's unconditional love of them.

Towards the end of the year, I talked to all students about COP26 and showed them David Attenborough's powerful speech. I've emphasised God's call for us to be stewards of God's creation, which includes us. I then invited our students to pray for climate action, encouraging them to have hope for their future and the future of our planet. Many of our students prayers have great depth and sincerity.

In the Junior School, I have focussed on the story behind the birth of Jesus, from the early prophets to John the Baptist. I was also delighted that the whole school was behind the Christmas Hamper appeal for Anglicare, thanks to the staff and students of Moffatt and Halstead houses. We delivered more than 100 hampers to The Magdalene Centre in the final week of Term 4. I continue to be in awe of the number of causes that the School embraces, which is a sure and certain sign of God's love in action.

As always, my main messages to students are the two great commandments, to love God and to love our neighbours as ourselves. If we truly love one another then all our thoughts words and actions will be for their betterment. Surely all respectful relationships stem from there.

May the peace of God which passes all understandings, keep your hearts and minds in the knowledge of the love of God and of his son Jesus Christ our Lord and the blessing of God Almighty, the Father, the Son and the Holy Spirit be with you and those whom you love, now and always. Amen.

Yours in Christ
Rev Wendy



2022 APPOINTMENTS

2022 is shaping up to be an exciting year of new beginnings as we welcome number of staff into new roles in leadership. Some of the new appointments have been made possible through internal promotions, while we also welcome some new faces to St John's Grammar School.



DEPUTY
PRINCIPAL
Catherine
Emmerson

Over the past 10 years, Catherine has worked across a variety of leadership roles at St John's Grammar including Head of Languages, Head of Moffatt House (Senior School), and most recently as Leader of Professional Learning (Secondary) - a key member of the Secondary Executive Leadership Team.

Catherine has been a key driver in a number of School-based improvement projects including our meta praxis work in developing enterprise learning in the School and the development of the Professional Development Plan model.

Outside of St John's Grammar School, Catherine has held significant roles over the years within SACE Languages and as a prominent leader with the Japanese Teachers Association of SA. She has also been recognised with multiple industry awards. Catherine's passion for languages and global studies, including the sister school partnership forged with Yasufuruichi High School in Hiroshima, will continue through her ongoing work as a senior Japanese teacher.

As part of the Deputy Principal role, Catherine will also continue to drive professional learning across the School, with a particular focus on the development of learning data, risk procedures and the progression of our Exceptional Learning Model.



HEAD OF
SENIOR
SCHOOL
Carlee
Mitchell

Over the last four years, Carlee has developed a whole-School wellbeing framework, a revised wellbeing educational program (Wings), helped re-design the Junior School wellbeing curriculum, introduced a host of community wellbeing initiatives, revitalised a Health and PD program culminating with the introduction of Stage 1 and 2 Health and advanced our counselling services across the School.

In addition, Carlee has a strong sporting background, having held positions of Head of PE at St Aloysius and Head of Sport at Cardijn College prior, as well as having tutored emerging teachers at University, before joining us at St Johns Grammar. Carlee is also a keen sportsperson herself, having an impressive track record in basketball and netball as well as being a highly recognised basketball coach, winning Basketball Australia's Female Coach of the Year. Carlee's service to sport and physical education has been recognised with numerous awards over the years, and she is past executive and Board member of the Australian Council for Health, Physical Education and Recreation (ACHPER).

An extensive record of professional learning in wellbeing education has seen Carlee become a constant on speaker lists at many conferences, and she has invested a huge amount of time in developing State-wide health and wellbeing programs.



Paul Travis

HEAD OF CO-CURRICULAR (SECONDARY)

In this newly created role, the Head of the Co-Curricular is responsible for ensuring that the co-curricular program creates exciting opportunities for the students of the Secondary Campus in five unique sectors: Sport, Music and the Arts, Service, Oratory and Frequent Flyers. Paul will ensure the program is well resourced, profiled and managed. In addition, the role involves the coordination and management of the Year 7-11 camps and Retreat offering.



Kelly Neumann

HEAD OF LEARNING SUPPORT (SECONDARY)

Kelly brings extensive knowledge and experience to the exceptional learning domain and is primed to help develop the learning interventions model for our Secondary students. Kelly sees an opportunity in strengthening the connection of the three campuses so the student and parent journey is fluid.



Tom Oliphant

HEAD OF TECHNOLOGIES & ENTERPRISE (SECONDARY)

Tom has been the Assistant Head of Digital Technologies and Coordinator of Robotics for the past four years at Pembroke. With undergraduate degrees in Industrial Design and Marketing, Tom completed his Masters of Education in 2010. He is a SACE Marker and Moderator for Design, Technology & Engineering and Treasurer of the SA Chapter of the Design & Technology Teachers Association. Tom has impressive industry connections and was involved in the design of the new Technology Centre at Pembroke.



Danielle Kemp

LEADER OF STUDENT WELLBEING (SECONDARY)

Danielle was Head of House and professional team leader at Wilderness School, and developed the Year 3-10 Artemis curriculum and the Social Action course, SPARc. Danielle is a Middle School and Upper Primary teacher and spent three years in the UK teaching Specialist Mathematics and Science. Danielle has extensive professional development and presentation experience in wellbeing. Danielle holds a double degree in Science and Education, a Master of Education (Special Needs) and a Diploma of Professional Counselling.



Sarah Hillard

EXCEPTIONAL LEARNING COORDINATOR (JUNIOR SCHOOL)

Sarah has been working at Broadmeadows Special Development School in Victoria for the last 13 years. For the last 8 years, she has been in a Lead Teacher role and she has also been guest lecturer at RMIT in the area of Teaching Strategies for Children with Additional Needs. Sarah holds a double degree in Behavioural Science and Education from Flinders University.

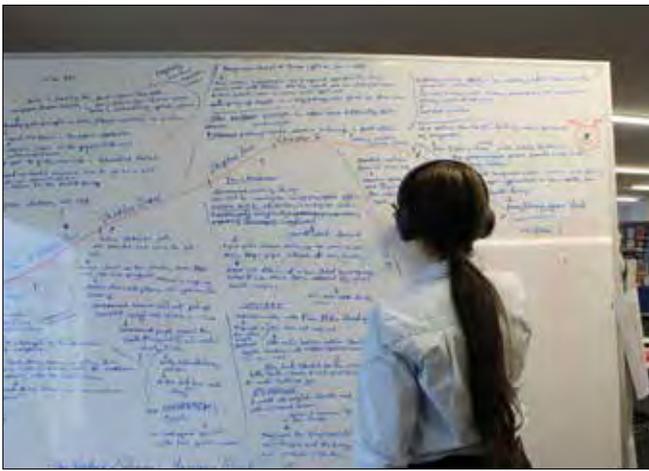


Danae Diment

DIGITAL TECHNOLOGIES COORDINATOR (JUNIOR SCHOOL)

After classroom teaching at St John's Grammar for the last few years, Danae will spend a significant proportion of her time developing the Digital Technologies scope and sequence, deliver content from R-4, and integrate age appropriate curriculum into classes. Danae brings a wealth of knowledge and experience in this area, having performed a similar role at Portside Christian College.

Around the Campus



WRITE A BOOK IN A DAY

As part of our Book Week celebrations, 38 brave Year 7 -10 students challenged themselves to enter the 'Write a Book in a Day' competition. Working in six teams of 5-10 members, students had to address a unique set of parameters to write, illustrate and publish a book between 8am and 8pm.

Teams had to use all their collaborative and problem solving skills as they negotiated a shared plot, divvied up the writing, illustrating and editing tasks, and produced amazing books that were cohesive, engaging and beautifully written. Energy levels were high throughout the day as students raced to beat the clock.

The finished books will be distributed to children's hospitals around the country for patients to read during their treatments. In addition, our students raised over \$4000 for The Kids Cancer Project which provides valuable funds for cancer research. Gold coin donations from our Book Week Dress-Up Day also went to this charity. Copies of both books will also be available in The Learning Commons on the Secondary Campus for students to read.

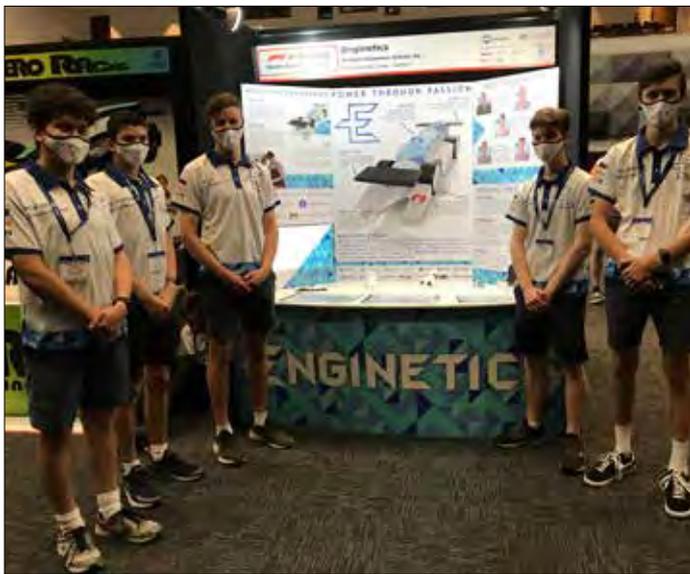
FRIENDSHIP NINJAS

In November 2021, students at the Junior and Secondary campuses held their own events to mark National Bullying Prevention Week.

To tie in with the Junior School's Friendology program, students dressed up as Friendship ninjas for *Friendship Ninja Day* which saw them participate in a buddy session to create ninja headbands with respectful words and friendship strategies, as well as House-led activities to navigate scenarios related to bullying and how to be an upstander.

On the Secondary Campus, *A Splash of Orange Day* capped off a week filled with events to promote respectful relationships, physical and emotional safety, how to be an upstander and what 'mean on purpose' behaviour looks, feels and sounds like. This was in addition to presentations by Bully Zero, assembly presentations, friendship sessions with female Year 9 Rite Journey students and their Year 11 mentors, White Ribbon Day breakfast for Year 9 boys and family members and a session called Top 10 for Top Men for Year 11 boys as well as range of activities during lunchtimes for all students to be involved in.





ENGINEERING SUCCESS

Our 'Enginetics' team of five Year 10 students participated in the South Australian F1 in Schools competition, held at the UniSA Magill campus. The team has worked tirelessly over the year to develop their CO2-powered F1 car design, including a level of advanced CAD design, computer-aided manufacturing and graphic design work far beyond the level expected from Year 10 students. On the day, our students won Second overall in the Senior Professional Class and First Place in Innovation and Verbal Presentation categories. The wins just cap off the acquisition of an impressive range of new knowledge and skills in design and engineering, forming industry partnerships, teamwork and leadership. We are so proud of their efforts!



YEAR 12 VALEDICTORIANS VISIT ELC

In 2021, we celebrated the 24 students who attended St John's Grammar from ELC all the way through to Year 12. As a special part of their farewells, some of these graduating Year 12 students went back to the ELC to catch up with Mrs Cullen and Mrs Richter, who had many funny and precious memories of this cohort!

They enjoyed using the sandpit and play equipment outside, exploring the nature play area, playing with dinosaurs and the learning trays, reading favourite

books, building with wooden blocks and bonding with our youngest learners, who were excited to show them around their learning environment. They were also lucky to arrive just as Mrs Burns was leading a birthday celebration during circle time, something they all remembered fondly from their time in the Mussared Building.

They provided an excellent example to our 4-year-old children, who have their St John's Grammar learning journey ahead of them and will one day become the seniors of the Class of 2034 or 2035!





Cabaret

Let's Go To The Movies

At the end of Term 3, 120 students performed in the three performances of *Let's Go To The Movies*, our 2021 Secondary Campus Cabaret held at Norwood Concert Hall.

Our Big Bands, Choirs, Orchestra, Year 12 soloists and Drama students created an impressive show full of iconic music and energetic dance numbers. Congratulations to all students and staff involved for creating such a high quality show that audience members will remember for many years to come





From the P&F

At the time of writing, 2021 is drawing to a close, and we members of the Parents and Friends committee can put our feet up and bask in the knowledge that our plans actually came to fruition this year – hooray!

The highlight of our calendar in 2021 was undoubtedly the Gala d'Aquila in October. After the cancellation of the Ball scheduled for 2020, it was a great relief to be able to host a whole-community event in this new Covid-friendly environment. The decision to hold an outdoor event in Belair in the spring, while it certainly wasn't without stress and last-minute compromise, was a great success as the gardens and grounds of Retreat House were the perfect elegant setting for our Italian-themed evening. The music was upbeat, the food fabulous and the mood festive as we danced under the stars – a winning formula, and one we will definitely repeat soon!

Our fundraising efforts this year have included the Silent Auction at the Gala, the Secondhand Uniform shop, the Mother's Day and Father's Day stalls, Kytos Easter drive, and numerous other small ventures. Fundraising is not a major focus of our

activities, but it does enable us to host a number of community events that are free, such as the welcome events at the beginning of the year, and we are also able to fund projects that support our community. This year we have purchased three new St Johns branded gazebos, available for use at outdoor events such as sports days and picnics. We have also agreed to fund the replacement of the shelters over the sandpit at the ELC, so our junior community members are even more sun safe as they play.

I would like to thank all volunteers and members of the Parents and Friends team, from those who are part of the committee, to those who show up to help at events and barbecues. Your willingness to give your time and assistance is noticed and appreciated, and every little bit helps us to build this wonderful supportive and connected Parent community.

I look forward to doing it all again in 2022!

Catherine Shepherd
Chairperson P&F committee

Valedictory

A special time in the School's calendar are the events for farewelling graduating students. As we watch students graduate from Junior School and Senior School, we take the time to mark and reflect on their journeys and to celebrate all the milestones in that time. Our Year 9 group also marks their transition from Middle School into Senior School with a special ceremony called Taking Flight. The ceremonies are not only to farewell but to also excite and encourage students to look forward to the journey ahead.

Year 6



Year 12





Old Scholar, Stuart Henshall (Class of 17) was guest speaker at the Year 12 Valedictory



ST JOHN'S
GRAMMAR
OLD SCHOLARS

OLD *Scholars*



From the President

Reflecting on the past year, it is clear to us that it has been a big one. Replete with reunions, landmark firsts and meaningful progress, we are immensely proud of what the Old Scholars Association Committee has accomplished.

Of note in the last few months, we would like to highlight Emily Harwood's receipt of the Old Scholars Patron Award for Commitment to Community, finalisation of the Old Scholar branding and approval of means to support sporting teams in 2022. However, as 2021 draws to a close, 2022 will soon dawn upon us. A year of possibility, we look forward to it with eager anticipation!

Next year will see us:

- Welcome the next graduating cohort of St John's Old Scholars
- Welcome Rhodes Scholar Josh Makepeace as Old Scholar Association Patron
- Support Old Scholar sporting teams; and much, much more.

We look forward to updating you as the year progresses and hope to see you join us in our journey.

Kind regards

Oliver Douglas
President

Ella Kuchel
Vice-President



Josh Makepeace

*Introducing
our...
Patron*

**It's an honour
to have
been asked
to become
the Patron of
the St John's
Grammar
School Old
Scholars
Association.**

My connection to the School dates back to the year 2000, when I started at the Secondary Campus as a fresh-faced Year 7 (so fresh-faced that there were some who suggested I should have been at the Primary Campus!). It was quite a different place at that time, with Year 10 being the uppermost year group, Retreat House still under refurbishment, and many of the buildings which now mark out the campus nothing more than lines in a Strategic Plan. How things have changed!

I owe much to my time at St John's. The school culture set me on a path of scholarship which eventually led to the opportunity to study at the University of Oxford for my doctorate, and the awareness of environmental issues instilled in me helped form core values which are still at the centre of my professional life developing sustainable energy storage materials at the University of Birmingham. But more than

that, I am thankful to St John's for many of the most consequential relationships of my life: my closest friends who enrich my daily life, and mentors who have shaped me into the person I am.

Although I am geographically far away from St John's, my friendships with other Old Scholars helps connect me to the school community. And so I am looking forward to working with the Association Committee on a new chapter for the Old Scholars Association, seeking to promote community, engagement and an appreciation of the privileged education we have received. I look forward to interacting with many Old Scholars and current students, staff, parents and friends as the Association develops further to best serve the St John's community.

Josh Makepeace
Old Scholars Association Patron

WHERE ARE THEY NOW?



MICHAEL SHARP (2008)

BACK TO SCHOOL EDITION

Our St John's Grammar community remains well connected after students graduate and while we have a number of past students as teachers, we are also fortunate to have a number of Old Scholars in a variety of roles at the School.

Michael graduated from St John's Grammar in 2008 and took a year off to write music, gig in a 5 piece Indi guitar band and travel overseas. He then went on to study Occupational Therapy (OT) at the University of South Australia. Upon finishing his degree, Michael packed his bags and moved to Whyalla where he worked for the Child and Adolescent Mental Health Service (CAMHS), which included regular trips to Coober Pedy and Oodnadatta with the Royal Flying Doctor's Service. He went on to work at Occupational Therapy For Children (OTFC) and is currently a Clinical Educator at the University of South Australia, where he coordinates and supervises a student run paediatric OT service in the northern suburbs. Michael has a passion for community, genuine meaningful connection and seeing young people thrive, which is why he ended up back at St John's Grammar as a school counsellor in 2019. There is a genuine warmth and care that radiates amongst the staff and students, which sees the students develop their understanding of what makes them come alive.

Outside of work Michael continues to write and perform music, plays sport and has discovered gardening. He enjoys spending time with his wife Judith and his Golden Retriever puppy Maple.



PERSIA KOTSARIS (2012)

After graduating from St John's Grammar in 2012, Persia Kotsaris pursued tertiary studies at Flinders University to study a Bachelor of Psychology (Honours). During this time, she travelled the world and worked as an Applied Behavioural Analysis Therapist for children on the Autism Spectrum.

Upon completion of university, Persia secured full time work as a Case Manager at the Salvation Army where she supported young people Under the Guardianship of the Chief Executive to develop their independence and confidently transition out of the care system.

Recently, Persia has returned to St John's as the Wellbeing Assistant to support and advocate for the students. This position is new to the school so Persia has been enjoying playing a part in shaping the role and sharing with students how she can be of benefit to them in their school day. She is overwhelmed with the positive feedback she has received from students and staff and is thrilled that the school is continuing to prioritise wellbeing. Persia has always dreamed of working at the school in the wellbeing space and giving back to the community, which she feels, played a pivotal part in her development.

In addition to her studies and work experience, Persia has a strong passion for the arts and has been working on creating pieces for an exhibition she hopes to have next year. Previously, she has run mindful art classes and volunteered as a tour guide at the Australian Gallery of South Australia. Persia's happy place is at the beach and loves to hike most weekends and spend time with her family and friends.



Photo: Jaz Anderson Photography

ELIZA DICKSON (2012)

After graduating from St John's Grammar in 2012, Eliza Dickson has gone on to follow her passion of music which was evident throughout her schooling. She first studied a Bachelor of Music (Jazz Performance), followed by a Master of Teaching in order to become a high school music teacher. Through her studies, Eliza was awarded a Downbeat Jazz Award for Vocal Jazz Soloist – Outstanding Performance and more recently, the Helpmann Academy's highly regarded Langley Award. Eliza joined the Australian Army Band, a contingent of the army reserves the year following her schooling and has enjoyed performing and traveling with this ensemble around the country as their primary vocalist.

Eliza has followed music through every facet of her life both while attending school, and into her professional career. In 2018, she released her debut ep titled 'Gold', which was a great milestone in her development as an independent artist. Eliza looks forward to releasing her debut album in 2022.

Eliza is an established independent vocalist, composer, arranger, voice teacher, choral director. She is also a regular wedding singer, working with a wide range of bands and smaller ensembles. She has worked with many choirs and schools and has enjoyed voice teaching at St John's for the past 7 years. Eliza also contributed to the St John's music department as a classroom music teacher in 2018. She is now employed as a music teacher at Immanuel College and is looking forward to many more years in the position.



UPCOMING REUNIONS 2022

CLASS OF 2010 REUNION
Friday 28 January, 7pm
Torrens Arms Hotel
www.trybooking.com/BVCTN

CLASS OF 2016 REUNION
Sunday 6 February, 2pm
The Edinburgh Hotel
www.trybooking.com/BWLDG

CLASS OF 2015 REUNION
Sunday 20 February, 2pm
The Edinburgh Hotel
www.trybooking.com/BWLDN

Class of 2011 Reunion: Details to be confirmed in January 2022.

Class of 2017, 2012 & 2002 Reunions will be held in second half of 2022, details to be confirmed.

Looking for a *function venue?*

ST JOHN'S FACILITIES FOR HIRE
CHAPEL, ART GALLERY, THEATRE, SPORTS HALLS
from as little as \$25 per hour for old scholars



Contact: Lucy Shelton 8278 0246
ishelton@stjohns.sa.edu.au

DID YOU
KNOW?

Did you know the St John's Grammar Association has a Facebook page?

if you haven't already connected with us, give us a Like and catch up on Old Scholar news.

www.facebook.com/stjohnsgrammaroldscholars



ANNOUNCEMENTS



(1) Chris Lang (2011) and Caitlin Lang welcomed Adeline Nasiya Lang on 12 February 2021.

(2) Robin Garvie (2008) and Stella Garvie welcomed Madeleine Victoria Garvie on 8 September 2021.

(3) Harriett Allcroft (2011) got engaged to Shaun Rammers at the Darebin Parklands City Lookout on 13 November 2021.

We'd love to share your news!

Send your announcements and a photo to Lucy Shelton, Community Development Coordinator at lshelton@stjohns.sa.edu.au



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