



NYNGAN HIGH SCHOOL

INNOVATION, EXCELLENCE, OPPORTUNITIES & SUCCESS

Pakil kiya-thu ngini Ngurrampaa Wangaaypuwan wara-nha

THURSDAY 30TH JUNE, 2022

TERM 2 WEEK 10

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DATE/EVENTS

*Homework Centre Mondays 3.30pm to 5.00pm Weeks A & B
Thursdays Week A ONLY*

*Senior Study Evening 7.00pm to 9.00pm
Wednesdays*

Monday 4th July to Friday 15th July 2022
School Holidays

Monday 18th July
School Development Day

Tuesday 19th July
All Students return to School

NYNGAN HIGH SCHOOL

"Integrity"

*Congratulations to our 95% Attendance Winners for Term 2
Well done*



Brydie Hoare



Sophie Richards



Bella Leatham



Hayden Burley



Jasmine Bourke



Ashton Deebank



Joseph Healey



Abbie Smith



Eric Morgan



Principal News

We have been so busy and there are so many fantastic efforts and achievements across the school. To give you an idea of what is has been like at Nyngan High School every day, we only need to look at the daily tasks of our teaching and school administrative and support staff. It varies from organising a multitude of excursions, performances and community events; to preparing and delivering assessment tasks; to marking tests and assessments during their personal time; to coordinating senior students who attend their industry work placement and help them carve out a career; to report writing; to working together behind the scenes on preparing better lessons and teaching programs; to meeting in teams to plan better management of our classrooms so all students have wonderful learning opportunities; and I could list at least another 15-20 major things. This is a hugely varied workload, and I am so proud of the staff that we have here at Nyngan High School and their commitment to your children.

I am pleased to announce and endorse Tanya Buchanan as the new permanent Deputy Principal of Nyngan High School, the process was rigorous and Tanya was the successful applicant. I thank Tanya for her service to the school and faculties thus far, and am truly excited to see where we can take the school into the future. Once again, congratulations Tanya.

On a more sombre note, I bid farewell to Mr Walsh and Mr Kunkel.

Mr Walsh has been permanent at Nyngan High School since 2010 and has been a pillar of enthusiasm, wisdom and support for students, community and staff alike. His influence on the community has been astounding and the difference he has made for so many of our high needs students has been exceptional. I wish him well in his next adventure and look forward to hearing how all his plans play out.

Mr Kunkel is finishing his 2nd stint as a teacher at Nyngan High School, his love of technology, data and mathematics has been infectious and has led to so many opportunities for our students. I thank him for his time and wish him well into the future.

I also would like to wish Veronica Bourke and Sarah Walsh a great term as they embark on very different adventures. Veronica is going travelling and using her well earned long service leave. Sarah is leaving us to start the beautiful gift that is motherhood. We wish her well and look forward to visits.

Outstanding Student Performances

I would like to congratulate a huge number of our students and acknowledge the wonderful array of student talent we have at Nyngan High School. During this term, we have seen students represent our school in a plethora of ways, showing great Integrity along the way. Our representations include:

- ◆ Girls Rugby Union
- ◆ The Nyngan Show
- ◆ Western Rugby League
- ◆ The Nyngan Show Junior Stewards
- ◆ Country Women's Association Public Speaking Competition
- ◆ Junior AECG and Student Representative Council training and meetings
- ◆ Community Elective Line- camps, catering, school beautification and community support

It is quite evident that beyond the classroom, our students take part in a wonderful array of extra-curricular activities. These are the moments where we have an opportunity to strengthen relationships with each of our students and praise their outstanding efforts. Congratulations to our students on a wonderful representation for Nyngan High during Term 2.

Semester 2- Terms 3 & 4

Upon returning for Term 3, I want to reiterate my very clear expectations of all students.

The following are not for debate or compromise, we have worked hard for all students to meet the standard and I want to maintain and continue to improve this during the term.

- Students wear the appropriate uniform, including footwear
- All phones are placed in Yondr pouches and out of sight during the school day
- If absent, students/ parents and carers need to explain the absence to the school
- Students are to attempt all tasks and submit assessments
- Students are to not swear or address staff or each other inappropriately

These 5 points will enable us to continue to increase outcomes for all students in a safe and inclusive environment, I thank you for your support to do this.

Subject Selections: One of the key aspects of Term 3 is our Subject Selections time. This is where we will educate students moving into Year 11 in 2022, to help them select subjects to develop their future pathways. We will also assist students moving into Year 9 and 10 in 2023 to choose some Elective courses, to provide some variety in their learning and begin developing new interests and skills. This is a time where parent input is not only valuable but essential, to help guide decision making and provide a reality check where needed. We will begin to provide information in the first weeks on Term 3 for subjects your child can choose in the future years.

I thank everyone for a fantastic term and look forward to what Term 3 2022 will bring.

Benn Wright
Principal



Staff and Students would like to congratulate Mrs Tanya Buchanan on becoming the new
Deputy Principal
for
Nyngan High School

Deputy Principal News

Our Positive Education focus this term has been to do your best and students have been presented with many ways in which this may occur:

- ♦ Grit and passion - be passionate about something you want to achieve and having grit to drive yourself to overcome obstacles along the way, you will be in a good position to accomplish your goals.
- ♦ JOMO: joy of missing out - start every day with something simple that you want to get done, appreciate the little things that you often take for granted, go outside to thrive in Mother Nature's fresh air and beauty and be grateful for the people who matter in your life. Then you will feel overjoyed for JOMO.
- ♦ Ripples of kindness - understand that the smallest kind act you do for someone has an endless ripple effect on others. You can't imagine the little ripples of kindness to others' lives like smiling, giving, sharing, celebrating, forgiving, saying hello and thank you create. Savour and enjoy their responses.
- ♦ Mindset continuum - understand that you can nudge your mindset along the continuum towards growth through deliberately adopting 'can do' and 'want to' attitudes, you will be able to grow your brain's abilities further.



A great question to ask ourselves is 'what is something that I need to do to nudge my mindset more towards growth'?

Nyngan High School students have many activities and excursions to look forward to in Term Three: Aurora College HSC study days in many subjects, Bro & Sista Speak, and the Outdoor Education Ski Trip just to name a few.

Congratulations to our 95% attendance winners for the last four weeks in Term Two: Ashton Deebank, Joseph Healey, Abbie Smith and Eric Morgan. These students all received \$10 voucher for our wonderful canteen, The Little Brown Bag.

Thank you for a wonderful term, rest up during the holidays and I'll see you in Term Three ready to learn and prepared to make a difference in the community in which you live.

Tanya Buchanan
Deputy Principal

Maths/CAPA Newsletter

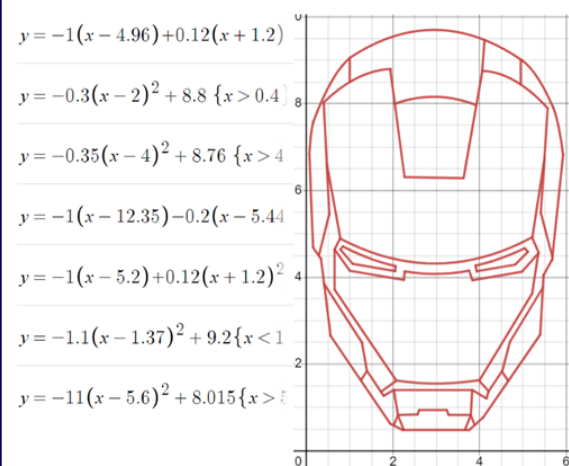
With a heavy heart, the Maths/CAPA faculty will farewell Dr Kunkel this week. He has been a tremendous asset to our school and will be sorely missed by both staff and students. He taught at Nyngan High School some years ago and it must have been his fond memories that drew him back. During his time here students have had the opportunity to experience drone technology which is becoming more and more valuable to society, from use in farming for inspecting crops and equipment, the delivery of medical equipment and medicine to remote locations, and to the coast where they are used in surf life-saving applications.

Dr Kunkel also dedicated his time to training and leading the Nyngan High School chess team as well as teaching skills to students from Nyngan Public School. If you see him around in the short time he has left in Nyngan make sure you say your farewells. He will be heading back to Newcastle to spend some quality family time with his daughters. Our loss will be their gain.

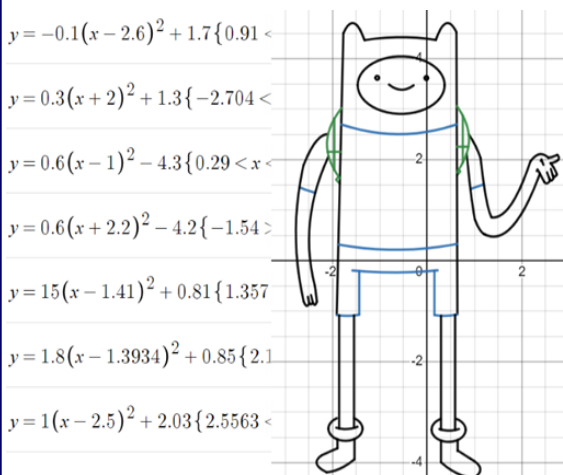
Stage 4 have started learning about the area of shapes, including simple and compound shapes. Students recently measured the perimeter of the fence line of the school, and calculated both the perimeter and area of the school using their collected measurements.

Stage 5 have been studying linear and non-linear relationships which requires them to graph equations on a cartesian plane. They were recently exposed to Desmos which is an online graphing tool used to graph equations. Stage 5 have been using Desmos to create artworks much the same as Year 11 Advanced only with more simple equations.

Year 11 Advanced Mathematics have just completed their final assessment before their Yearly Examinations in term 3. Their assessment required them to create a piece of artwork using specific functions such as parabolas, linear functions, absolute values also perpendicular and parallel lines. Some students used in excess of one hundred equations. Examples of their artworks have been provided.



$y = -(0.8x - 8)^2 + 11 \{y > 6.5\}$
 $y = (2x - 17.8)^2 + 11.6 \{y < 11\}$
 $y = -(x - 9)^2 + 13 \{y > 12.6\}$
 $y = -(x - 11)^2 + 13 \{y > 12.6\}$
 $y = (0.4x - 4)^2 + 10.9 \{y < 11.3\}$
 $y = -2(0.8x - 8)^2 + 10.4 \{y > 6\}$
 $y = -0.1(x - 10)^2 + 17 \{y > 16\}$



$y = -1.1x + 3.35 \{2.35 > y > 2\}$
 $y = -1.5x + 3.841 \{1.227 < x < 1\}$
 $y = x \{1.536 < x < 1.73\}$
 $y = -2x + 5.19 \{1.73 < x < 2.086\}$
 $y = x - 1.069 \{2.086 < x < 2.224\}$
 $y = -4.5x + 11.163 \{2.224 < x < 2.4\}$
 $y = -1.5x + 3.3 \{2.233 < x < 2.4\}$
 $y = 1.5x - 4.035 \{2.64 > x > 2.44\}$



Year 12 Advanced Mathematics can proudly say they have completed all their assessment tasks with only the HSC Trial to go. Both Jack and Tsitsi are working arduously in preparation for the challenges of the Trial Examination and HSC.

Year 12 Mathematics Standard 2 have also completed all assessment tasks and have three topics to go, but the last topic will not be in the Trial Examination as we will dedicate this time to intensive revision and complete the last topic after the Trial. This class is polite, respectful and very funny and I thank Piper, Digby, Shannon, Bella, Amy, Byron, Bhakti, Bailey, Serenity, Abbie and Anastasia for being responsible young adults who are great to be around; I even think they are confused about how relaxing and fun HSC Maths can be!

Stage 5 Visual Art are looking at POP ART! And its artists this term. We have researched various Pop Art artists from the different decades including Andy Warhol, Roy Lichtenstein, Keith Haring and Takashi Murakami and learned about the history and formation of pop art. Pop Art is an art movement that emerged in the 1950's in both the United Kingdom and the United States. It presented a challenge to traditions of Fine Art by including imagery from popular culture, including advertising, comic books and mundane mass-produced objects. Using a celebrity of our choice, we are creating artworks using multiple layers of different shades of grey.

Did you know that recently, **Pop artist Andy Warhol's famed 1964 silk-screen portrait of Marilyn Monroe sold for \$195m, becoming the most expensive 20th-century artwork ever sold at a public auction?**



English/HSIE

It's been a creative semester in the English/ HSIE faculty with students presenting an array of exciting classwork and assessment tasks. The hard work and dedication students have put in is outstanding and we are very impressed. Here are a few snapshots of what we have been up to in the world of literacy and the humanities.

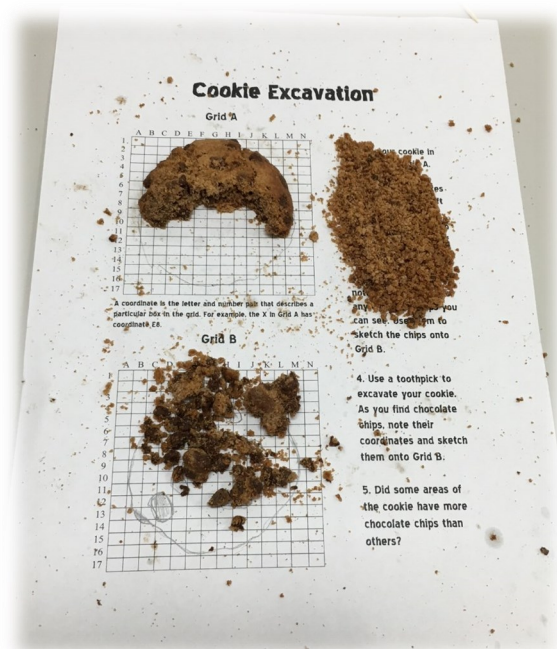
Stage 4 HSIE have been working very hard in class learning about the role of historians and archaeology. To understand this further we put our knowledge to the test and completed an excavation using cookies. The task was to break away the crumb and extract as many full choc chips (artefacts) as possible. Both classes did exceptionally well, showed great patience and restraint to not eat the delicious cookies while working.

We have also solved the mystery of Otzi the Iceman and learnt about the ancient wonders of Egypt. The students have been very creative and embraced a hands-on approach to learning about history creating a variety of items such as shadulfs, model tombs and pyramids. Tasi even wrote his own rap about King Tutankhamen.

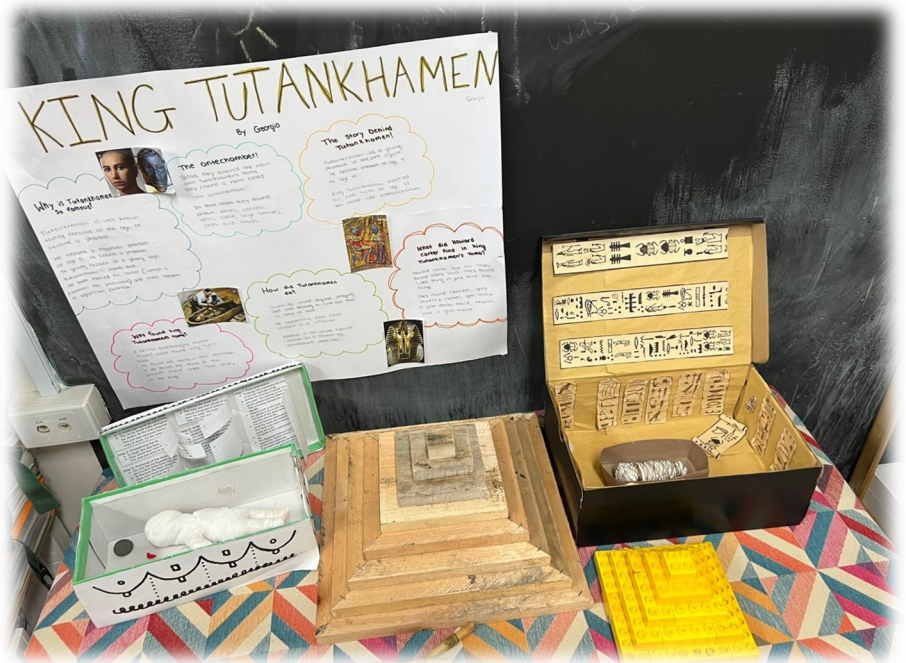
Stage 4 English classes have recently finished creating their own book covers based around their study of 'My Place' by Nadia Wheatley and Donna Rawlins, a fantastic picture book which explores the history of one particular piece of land in Sydney from 1788 to 1988 through the stories of the various children who have lived there. Students were asked to write their own narrative on the concept of belonging and create a picture book cover to accompany their piece.

Stage 5 HSIE have been eco warriors over the last two terms learning about environmental management and biomes. Our focus case study was on the Macquarie Marshes, a unique and complex ecosystem not far away from our doorstep here in Nyn-gan. The students have produced some amazing work about the importance of sustaining the Marshes and the important role it has to the balance of other ecosystems in the world. Did you know that the Macquarie Marshes are a magnet for migratory birds that move between the northern and southern hemispheres each year. Some birds even come all the way from Japan, China, and South Korea!

Stage 6 Drama have been working hard in preparation for their HSC Group Performance and Individual Projects. Featured in this edition is Bhakti Patel's Individual Project for HSC Drama. She created a poster for the play Silent Disco by Lachlan Philpott. This poster features Bhakti's parents, Mansi and Minal Patel.







Science/Special Education

With the easing of the COVID restrictions, field trips have opened up! Resulting in our keenest Science students taking advantage of opportunities to dive deeper into their area of interest.

Physics Excursion to the ANSTO Nuclear Facility

Year 12 Physics went on a whirlwind trip to Sydney in week 8. The purpose of our excursion was to visit the ANSTO nuclear facility in Lucas Heights in preparation for Module 8: From the Universe to the Atom.

We learned how the nuclear reactor uses radioactive Uranium to manufacture important medicines used to diagnose and treat cancers and other diseases in the body.

We also learned how physicists analyse air samples to monitor pollution levels using the ANTARES particle accelerator. It is a truly important facility!



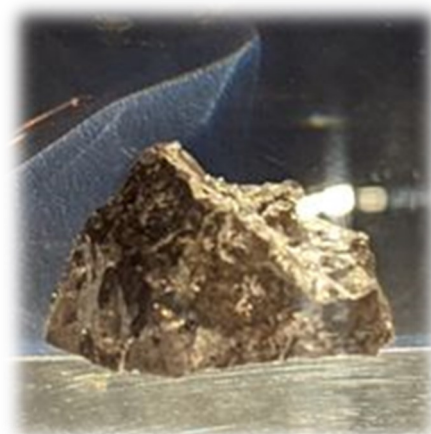
(The core of the ANSTO reactor, illuminated by the Cherenkov Effect)

When we arrived in Sydney on Thursday, we used our spare time to visit the Powerhouse Museum where we saw an exhibit with artefacts from the space race, including samples of Moon rock from the Apollo missions as well as the Soviet lunar rover Lunokhod 2. We also managed to squeeze in a viewing of Lightyear, the new Pixar film, which investigates Time Dilation and Special Relativity.



(The Soviet Rover Lunokhod 2, built in 1970)

On Friday we had a 3-hour tour of the facility led by the amazingly knowledgeable Vic, who gave our students a holistic understanding of what a physicist does and their role in developing medicines. We saw how the reactor is operated and learned how the critically important medical isotopes are manufactured to be exported all over the world. This illuminated several possible career paths that are open to our physics students at Nyngan High School.



(Moonrock from the Apollo-16 mission 1972)



Our excursion was a deep dive into the amazing things that are possible through a study of physics.

(Demonstration by Vic at ANSTO)

Thanks to Mr Arnall for taking the Physic boys.

Year 11 Biology

Our Preliminary Biology students have ventured a little closer to home for their field work. They have been visiting the Bogan River for fieldwork on ecosystem dynamics and the effects of human interference. They have taken a number of measurements of both Biotic and Abiotic factors for their depth study of the area which will make up part of their assessment.

Youth Leading in STEM camp

Six Stage 5 students applied for the opportunity to attend a Youth Leading in STEM Camp, Lily Francis, Grace Williams, James Flis, Meg Richards, Jasmine Bourke and Elle Montgomery were all successful in gaining a place in the camp. The program was available to Year 9 and 10 students from rural, regional and remote NSW public schools, with only 25 students offered positions in the camp. It was held at the Australian National University (ANU) in Canberra, students had the opportunity to participate in interactive and practical workshops that showed them what studying STEM at university and beyond looked like. The workshops were based on the student's interests and varied from Biology to engineering. Sessions ranged from stargazing at Mt Stromlo Observatory, visiting the solar car challenge workshop to code cracking with the Australian Signals Directorate. As well as meet and greet sessions with lectures and Q & A sessions with current ANU students.

The students all love the opportunity to gain a first hand view of a university environment and returned home discussing that ANU was now on the list of possible places to study post school.

Thanks to Mrs Partridge and Mitch Williams for taking the students away for the week.

Science and Engineering Challenge

Once again Nyngan High School took a team to Cobar for the Science and Engineering Challenging. We hope the students all enjoyed the challenge and we look forward to hearing the results. Thanks to Mr Arnall and Mr Milligan for taking our Stage 4 and 5 students.

Mr Walsh

Lastly I would like to farewell Mr Walsh as he leaves Nyngan High School to travel to Asia to explore teaching opportunities abroad. He has been a valued staff member of the Science/Special Education Faculty and will be missed by staff and students alike. Best wishes Mr Walsh on your travels and we look forward to hearing news of your travel and experiences.

Best wishes to all our Nyngan High School families for a safe and restful school holidays and I look forward to another busy term in Term 3.

E Partridge

Head Teacher Science/Special Ed



