



HIGH SCHOOL HIGHLIGHTS

Narrogin Senior High School

Issue 8 2017



HAPPY RETIREMENT Mr & Mrs Quartermaine



On behalf of all the students, staff, parents and wider community, we would like to wish both Diane and Steve a happy, relaxing and well-earned retirement.

Your dedication, spontaneity, warmth, wisdom, caring, leadership, honesty and energy have inspired all who have come within your sphere of influence.

May your days as 'grey nomads' be filled with fond memories of your time here at Narrogin Senior High School.



Principal
Mr Steve Quartermaine

The end is nigh.

As the year comes to a close it is time to reflect on the school achievements for 2017. Our NAPLAN results were very pleasing with improvements in almost all areas, numerous students won awards and achieved on the sporting fields. Although our final Year 12 results are yet to be accessed we are confident that our students have performed well.

Early indications predict that our WACE graduation rate and our Attainment rate are very good. These results are a product of everyone working together from year 7 through to Year 12.

Our school is saying goodbye to Ms Armstrong who has won a position at Fremantle College for 2018, Mrs Quartermaine who is retiring, Ms Castaldini and Ms Goodwin who are moving back to Perth, Ms Pauley who is staying in the Narrogin area and Mr Scott Dareff and Mr Tony Mitchell, both of whom have done long term relief jobs throughout 2017. Ms Campbell has won a position at Balga SHS starting at the beginning of Term 2, 2018.

As you probably know I am also retiring at the end of 2017. I have enjoyed my time here and would like to take this opportunity to thank all the staff, students, parents and local community members for their support and trust during the last 5 years.

Narrogin Senior High School is an excellent school with great opportunities for students. I have enjoyed seeing the students achieve and it has been an honour to be the Principal of your school.

I wish you all the best for the Christmas break and the future.

Regards
Steve Quartermaine

SCHOOL UNIFORMS

Please be advised the NSHS uniforms are now only available for purchase from the following locations;

General Uniform - Narrogin Sportspower

Sports Academy uniforms - Steelo's Outdoor

Rugby jumper - NSHS Canteen

Middle School Deputy
Ms Sandii Stankovic



It has been such a pleasure this year being the Middle School Deputy. The Year 7s I feel have transitioned into school extremely well. Their approach to their education has been confident and respectful – they do take it seriously and it shows in their accomplishments. Year 8s have been impressive in their leadership and role modelling peer skills for their counterparts. Year 9s have illustrated resilience in meeting the challenges of school and peer relationships and how to navigate through adolescence. In whole each year group have been different but equally rewarding to work with. I am sure their Year Leaders would agree.

Recently I accompanied Year 7 & 8 students to the Murdoch university excursion where they investigated how Maths is utilised in various aspects of solving problems like wind turbines, notations and water rocket flight trajectory. The students were amazing in their problem solving skills and persistence in working out the challenges. The staff at the university all commented positively on our students and their behaviour in the workshops. I am sure there is more information / photos in this newsletter.

We had a transition day on Friday 8 December for our incoming Years 7 – 9, and we are excited about the incoming group of students. Our student numbers have grown in these year groups. It seemed on all accounts that the students enjoyed the day and I am certain that they are confident in starting school in 2018. We look forward to it.

I also presented school information to the parents on Friday and then parents had a tour of the school and met staff. We encourage parents to be involved in our school and this can be done through School Council, P&C, Uniform Committee, breakfast club and/or canteen volunteering. As Verity Harris, our P&C President stated on Friday to parents, students think it is cool having parents in the canteen. Our school website has all the details on how to volunteer your time at the school canteen – it can be as few or as many hours that you can offer. Reports will again be sent out electronically this week, unless you responded to the text message sent out last month, then you will receive a hard copy in the mail. I strongly recommend that reports are examined, goals are set to maintain or improve grades, and then actions to achieve these – such as checking work before submitting this, asking questions when the work is challenging and attending tutoring, particularly when the work is hard etc.

Improvements need planning – like everything else really. Feel free to speak with staff.

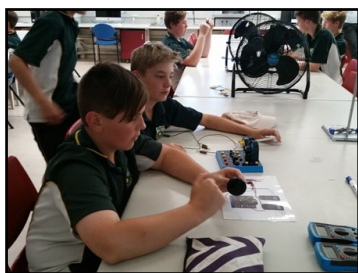
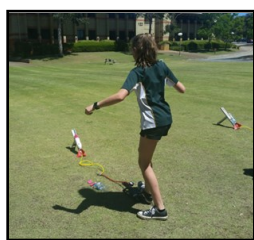
As you are most likely aware we say farewell to Mr Steve Quartermaine as our Principal. We all wish him the best on his retirement. Ms Melissa Walker has been appointed as Principal of NSHS and we look forward to welcoming her. The first school day for students, 31 January 2018, will involve a Whole School Assembly to set the tone for the new school year and present awards received for 2017. Parents are most welcome to this assembly which will commence at 9.00 am.

Happy and safe festive season and holidays to all.



Year 7 and 8 NAEP Classes Visit to Murdoch University STEM School Outreach Activities

On Thursday 23 November, 75 students from Year 7 and 8 travelled to Murdoch University to participate in STEM (Science, Technology, Engineering and Mathematics) activities. The three workshops explored the mathematical processes that interrelate with science and extended students' understanding of the applications of mathematical concepts in the real world. The renewable energy engineering workshop explored the design of wind turbines (such as the size and number of blades, proximity to wind source) and the effect this has on power output. During the rocket workshop students were asked to fire water bottle rockets and investigate the effect of launch angle and mass of the



water bottle on the overall flight path of the rocket (distance covered). The data from these activities has been brought back to school for further analysis using Excel. The excursion was a great experience for the students.

We were able to take a sneak peak around the Murdoch campus and we participated in two STEM activities. The first activity was a blood stain pattern analysis activity where we applied trigonometry to determine the angle of impact, the origin of the blood source and ultimately which suspect was responsible for the crime. The hands-on workshops proved most valuable and encouraged students to see the links between Science, Technology, Engineering and Mathematics (STEM) and to pursue further study in the STEM subjects using a cross-curricular approach.

*David Fung
Mathematics Department*



Narrogin Senior High School Art Prizes and Award Winners



The Arts Department would like to acknowledge the following winners for "Uncovered" exhibition 2017 at the Nexus Gallery.

Louise Du Plessis, Faith Pollard-Chambers,
Caitlin Lyons, Jack Moyses, Emma Woodruff
Brittany Keillor, Abbey Johnson

For his choice award YMCA WA Manager, Mr Glenn Paddick, has awarded three months full centre family membership for the value of \$571 to Abbey Diamond and Rebecca Lange.

Congratulations to all the winners and students for their participation in the yearly exhibition. We would like to thank and acknowledge our sponsors for the prizes this year:

Thing-a-me-bobs, Toyworld, Galaxy, Sports Power and YMCA WA.

Ms Marga Felipe

Follow The Dream

Follow the Dream is an after school tutoring program for aspirant Noongar students. To be invited to attend the program you need to attend school at least 80% of the time and achieve a C grade average. In 2017, NSHS has been offering tutoring two nights a week. Considering the busy lifestyle of families today, this is a big commitment to expect students to make and it often conflicts with sporting and family time.

Firstly, I would like to congratulate all students who participated in the program and willingly gave up time to concentrate on improving their academic progress. On the 20 November, family, friends, students and staff gathered to celebrate the milestones achieved by these students. The following students were presented with awards:

Highest Tutoring Attendance
Second Highest Tutoring Attendance
Highest School Attendance
Second Highest School Attendance

Nicole Taylor
Colleen Edwards
Paige Lindridge
Kevin Issacs,
Chante' Kickett,
Lesley Yarran

At the recent assembly the following students were presented with certificates for consistently attending tutoring for Semester 2. Colleen Edwards, Rosie Anderson, Caitlin Ugle, Nicole Taylor, Alysha Ryder, Kaylah Smith, Maya Wilson, Stella McKay, Ashanti Abraham



I would also like to thank Caitlyn Fitzgerald from Katanning Senior High School for coordinating the program and Mr Simon Wilson for assisting with the tutoring.

Ms Maxine Clark

Prefect Camp

"Never doubt that a small group of thoughtful committed people can change the world. Indeed, it is the only thing that ever has." Margaret Mead

This was one of the quotes Prefects had to speak about at the recent Prefect Leadership Camp at the Swan Valley Adventure Centre. For the first two days Prefects tested their own physical, mental and leadership strengths participating in a series



of physical Leadership Challenges. They had to carry out a rescue mission over two days. This involved building a raft, canoeing up river, navigating the blackout

zone and building a functional catapult. They also tackled the High Ropes Course, the Flying Fox at night and the Commando Course. Prefects spent

time planning for upcoming 2018 events and shared with the group some things about a "Community" person whom they respected and had interviewed prior to



camp. The aim of the camp was to grow our Prefects as Leaders and to encourage them to work as a team. This



outcome was achieved and we look forward to a great 2018 with these young people as School Leaders. Many thanks to the intrepid Mrs Johnson and to our fearless bus driver, Mr Johnson.

Co-ordinator - Mrs Sue Castle



Science Travelling Circus

This year, Mr Cook's Year 9 science class visited East Narrogin Primary School and Narrogin Primary School.

The students presented engaging and exciting science demonstrations to the younger students.

Congratulations to all for the successful activity.

*Mr Johnson
Head of Science*



Dance Performance



At the recent Assembly the Dance students from Ms Stokes class performed a Cheerleader routine.

Camp Kulin

November 10 saw the lower school councillors heading off to Kulin for the 'Camp Kulin Youth Leadership Conference'. An early rise for some to catch the bus, departing from the Residential College. A speedy trip filled with music, laughter and the occasional death glare from Miss Wilkie to (hopefully) quiet us down, though, I am quite sure she was enjoying the large range of Isabelle's Spotify playlist, which mainly consisted of 80's rock (and it was certainly not the good type!). Finally, after what felt like an eternity of bad music and a partially broken air-con, we arrived in Kulin. As the sliding door opened a beautiful zephyr of boiling hot wind suffocated us, a great start to an 8-hour day, nevertheless, the Kulin recreation centre was only a few dreaded steps away.

We were the first school there, surprisingly, and what else to do when waiting for 6 other (unknown) schools; of course!

Life lessons from Miss Wilkie, which were very enlightening. Once all of the schools had arrived, the co-ordinators directed us into the 'meeting area', a grouping of tables with varying colours, which of course meant separation,

thankfully group leaders were inviting and encouraging. We began our first activity, a bachelorette-style pie-chart, which depicted the ideal qualities of a leader. Each group decided what they thought was key to ensure success for the leader and his/her team. Qualities such as Communication skills, Trust and Reliability were recurring assets which took up a large portion of the chart. After this, we went into the gym and did some team building activities, notable ones included Ultimate Ninja, blind folded puzzle and 'flip the mat', an activity which involved flipping a rubber mat without actually going off the of the mat, with 5 other people, a task 6/7 groups completed. We had a quick break, and got straight back into things. Now we were tasked with creating an ideal town of which appealed to young people, including services such as greater recreational services, easier access to youth services and general shopping amenities. These plans were then passed onto one of Kulin's shire councillors. Finally, a lunch break. Kulin IGA provided sausages, buns and juice boxes for us to enjoy. The Narrogin folks gathered up outside enjoying our lunch, until a brilliant idea, Juice Box Jenga! We frantically chugged our golden pash, tropical and summer berry juices until around 25 had been collected. Much to our surprise, that was around a total of 500 grams of sugar, nothing out of the usual.

The day ended with some technical game which involves running and animals and something about an ant being able to kill an elephant, but anyhow, no need for details.

I would like to give a few thanks before concluding this article, firstly to Mr Potts and The Year Leaders for organising the trip, it was truly an enlightening experience filled with laughter



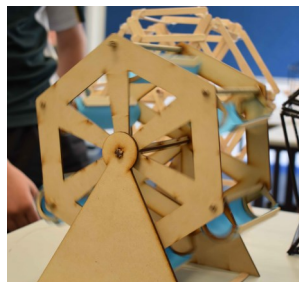
and ultimately making us student councillors a stronger bunch of kids. Thanks to Miss Wilkie for driving the bus and putting up with us and Isabelle's unique taste in music all day. Finally, thanks to Camp Kulin for an amazing leadership course which I am positive everyone had learnt something.

By Michael Gentle.

Year Nine Applied Maths

This term in Ms Alagasundaram's class, we've been studying the history of Ferris wheels and attempting to replicate the original design using both wooden pop sticks and plastic straws. The first Ferris wheel was created in 1893 for the Chicago World's Fair and was designed by George Ferris. During this task we had to first design and then produce our Ferris wheel whilst learning and understanding how a Ferris wheel works.

The majority of the class's Ferris wheels were made of two sets of six equilateral triangles and set on a stand. The first design, made using pop sticks, was relatively easy to construct gluing the pop sticks together with hot glue. The second design was



much more challenging as straws are much more flimsy than wood, although all of the straw wheels successfully turned.

Whilst making these wheels, we looked at how the size of the wheel affects the rotation, what kind of triangles were used and how big the interior angles were. This Ferris wheel project is all part of our focus on better understanding maths concepts so that we can use them in both school and everyday life.

Rachel Mulcahy

Automated Systems

Steve Fawcett has worked with Conrad Goedhart to design and make a house in Automated Systems and as part of his course he also learned to assemble and control a voice activated robot.

Mr Guy Robins



Sports Carnival

Carnival Results

1st	Leo	777pts
2nd	Taurus	594pts
3rd	Pisces	551pts
4th	Scorpio	483pts

Tennis winners:

Kaitlyn O'Neill & Caitllynn Blechynden

Badminton winners:

Year 7 - Rhys Trefort & Mason Bradbury

Year 8 - Tom Munns & Darcy Andrews

Year 9 - Trent Gumprich & Cody Giles

Year 10 - Daniel Jacob & Justin Nguyen

Year 11 - Zac Greay & Rohan Morris

Also – the following students were really helpful at soccer: Ryan Brechin, Danielle Brechin, Ivan Vukomanovic, Jenna Turton, Conner Jacobs, Ryan Blechynden.



Volleyball



Soccer



Netball



Basketball



Football



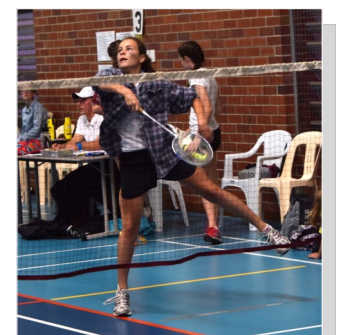
Tennis



T-Ball



Badminton



Sports Academy Presentation

On Friday December 1 the school held its annual Sports Academy Presentation afternoon. In attendance was Terry Waldron, Tom Bottrell (Key note speaker, CEO South Fremantle FC), as well as parents and community members who support the school.

Kate Dyson from the Netball Academy was the MC for the afternoon and she did a fantastic job.

Students were presented with a variety of awards across all year groups and sports. The two most prestigious awards were presented to Megan Elliott (Commodine Award) and David Phillips (Waldron Medal). The Commodine Award is given to a student who contributed both on and off the court and is sponsored by the Shire of Cuballing and we thank them for their support. The Waldron Medal is given to the student who in the eyes of the PE department is the best athlete. David played in the WA U15 hockey team this year and two different carnivals.

Mr Bottrell's key note address had a lot to offer students and adults. A big take home message is that you have to picture yourself doing something, before you set off to achieve it. The benefit of this is that when things get tough on the pathway to your goal, you already have a mental picture of you being successful, which can make the hard work easier.

The PE staff would like to thank the Academy Parent Committee for their support. In particular Mrs Katie Wilson who has been the Secretary for a number of years and is stepping down at the end of this year.

*Mr Andrew Corner
H&PE HOLA*



Year 10 "A" grade student Winners



*Waldron Medal Winner
David Phillips
with Mr Terry Waldron*



*High Achievers (WA U15 Hockey Team)
Eathan Blyth & Trent Gumprich
With Mr Terry Waldon*

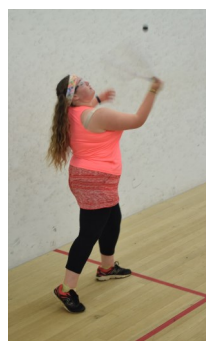


*Commodine Award Winner
Megan Elliott
with NRC Manager Renee Browne*

More Carnival Photos



Dance



Squash



Cricket



If undeliverable return to
Narrogin Senior High School
Private Bag 2 Narrogin WA 6312
PRINT POST APPROVED
63965610013

SURFACE MAIL

**POSTAGE
PAID
NARROGIN**

Parent Information

SCIENCE wish to inform parents they have changed their text books for Years 7, 8, 9& 10.

Books purchased in 2017 will not be used in 2018.

Please check your booklist for the new text details.



Have an active Christmas



Get active these holidays with your family!

Gifts that encourage activity and play are a great idea. Bikes, scooters, frisbees or balls encourage kids to get active, burn energy and have fun!

Hold a Christmas morning treasure hunt and get active finding gifts!

A game of backyard cricket (*host your own Boxing Day test*) or bocce are great ways to keep active and enjoy family time together.

You don't need to spend a lot of money – morning and afternoon walks are free, and a way to be active without competing with the midday sun.

Keep your children active during the holidays. Physical activity is important for healthy growth and development. It is also a great way for kids to make friends and learn physical and social skills. They should be getting at least 60 minutes and up to several hours of moderate to vigorous physical activity every day.

For more information, contact your school's Community Health Nurse or visit Nature Play WA website for ideas to keep your family active these holidays <http://www.natureplaywa.org.au/>.

YMCA Narrogin Regional Leisure Centre Swim School Term 1-2018 Enrolments Open Monday, 11 December 2017

- Infant & Preschool Aquatics
- Swim & Survive
- Squads
- Junior Water Polo
- Junior Lifeguard
- Private Lessons
- Adult Learn to Swim

For more info, chat to Sam Kempton via Nrlc.Swimschool@ymcawa.org.au