

Blues News



Gosford High School & Community News

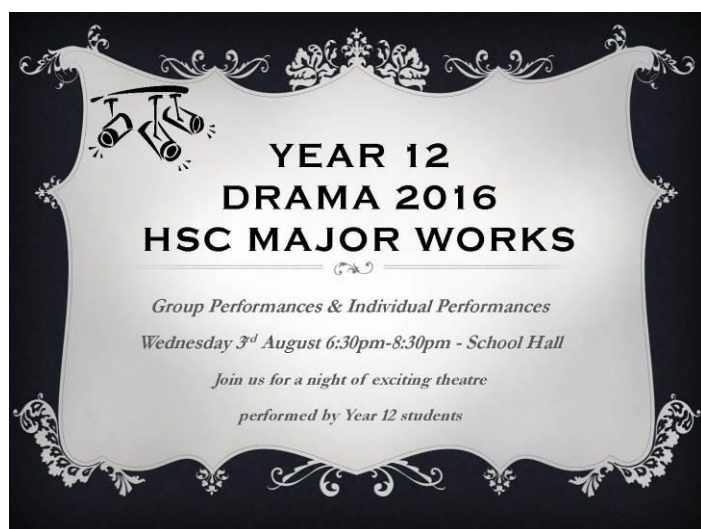
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Issue 05 August 2016 – Term 3

1/08/2016

Gosford High P&C News

Next P&C Meeting:
Tuesday 2nd August 6.00 for 6:30 pm
Common Room- Everyone welcome



PRINCIPAL'S NEWS

Hello and welcome to Term 3. It has been a busy time at GHS and over the holiday break many exciting things have occurred. We have a focus on the learning environments in our school plan and many spaces have been refurbished. The CAPA staff are thrilled with their new refurbished art rooms and are looking forward to show refurbishing student work this term. Computer room 4 also had a makeover and will be receiving a new floor and carpet by the end of term. The MPC foyer has had a mini makeover and I am looking forward to you all seeing it at various upcoming events. We have had the SRC fund painting of the handball courts, trees trimmed and the grounds mulched.

On staff development day we focused on two initiatives in the school plan. Our positive Partnerships team led the staff through professional learning on best practice in working with students with Autism or Asperger's. I led a workshop on design thinking that leads to innovation. We workshopped innovative strategies on how to engage students in the 21st century. I will publish some of the ideas staff are working on as a consequence in the next newsletter. I am also excited about our work

with Gosford City Learning Community. This year during Education Week we are joining the learning community to showcase our school in a small display at Gosford Imperial Centre. Mr Gary Bennett and his team are leading this initiative. I am also very excited about our new student Aboriginal Education team led by Mr Titheradge. Please take the time to read his article later in this newsletter that outlines some of the initiatives that are underway.

Online safety is not a new topic however I would like to share with you some thoughts that as a community I think we need to talk more robustly about. In the last couple of years the emergence of social media into dominant popular culture is leading us to think as educators how we both embrace it as a medium for learning and simultaneously guard and equip our students with the right tools to navigate emerging technologies safely. Just like parents, how do we encourage safe play and risk to enable growth while ensuring that we are not exposing our students to harm? It is a delicate balance. Mrs Susan Grant is leading a large group of students to develop gaming software that marries gaming and syllabus content and outcomes. Although it is in its infancy the power of technology is exciting as educators.

Over the last term I have had to make an ever increasing number of phone calls home informing parents that their children have been victims or perpetrators of online conflict. I have had to inform parents of password sharing amongst large groups of students across many year groups, identity theft, creating accounts in others names as "fun" and often with permission. The lines between community, at home and at school are becoming increasingly blurred as students are posting at all hours of the night and morning.

Our wellbeing team has increased its effort to get the very best speakers in to talk to all cohorts about cyber safety, the PDHPE team has re-written its curriculum to make sure it is relevant and up to date with current trends on social media and online. The increase in online gaming and the addictive nature of it has led to many of our students arriving lethargic and tired. The Deputies and I have worked with the leadership team to talk to student groups and community for advice. We have increased our professional learning to look at social media as a platform for learning and explicitly teaching safety in all KLA's. Further to this I am holding a Parent Learning Group on Tuesday 2nd August with a

focus on technology and how we as a community can help to provide the right mix of support, freedom and boundaries to help our kids navigate a rapidly changing world. If you cannot make it here are a few things to maybe talk about at home that we are noticing at school.

1. Party pictures – There has been an increase in students posting images of ‘partying’. There is an unwritten code for students to often have as many friends as possible – on the three main sites such as Facebook, Instagram and Snapchat. Students are posting party pics of all activities (some illegal) for friends, family, enemies, and future employers to see. Students aren’t thinking about anything, but the ‘likes’ they receive in the moment. We encourage parents to be ‘friends’ of their children online to help to support good decision making. Here are three questions we talk about that we hope would enable good decision-making before posting something.

- *Would you be comfortable with a future boss or the Principal of your school seeing it?*
- *Are you okay with your grandmother seeing this?*
- *Can someone that doesn’t like you use it against you?*

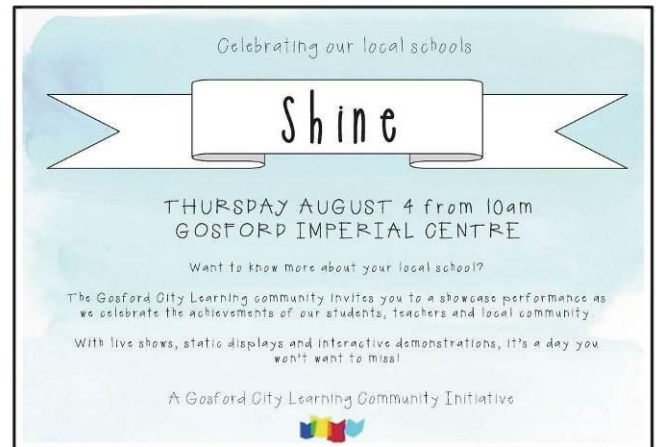
2. Online identity - It’s tough to not compare our lives with one another when everything is posted online. For students, social media quickly becomes a show, a place for them to document and showcase their life, adding filters literally or subversively to look more exciting than others. It’s about building an image. The problem is that it nurtures embellishment, a subtle but powerful form of lying. When we lie our true sense of identity and belonging are weakened and enables others to slowly chip away at the online version of truth and by proxy our sense of self. We are increasingly seeing students wellbeing chipped away.

3. Humiliating or Publicly Shaming Others. Sadly, this is not just a student problem, it’s a societal problem. The invention of camera phones and instant uploading has led to real time exposure. There are increasing notifications to school of students doing something embarrassing or something lacking in integrity, someone records it and posts it without a thought. Within the school system there are rules that help to support accountability like there are laws to protect citizens; but the second these videos upload, we descend like piranhas with blood in the water. A simple mistake or lapse in moral judgment quickly becomes a ruined life, a digital tattoo that no matter whether the original source is deleted a ‘screenshot’ can help it to continue on and on. There is responsibility in not only those that post a video, but those that share it, like it, or join a chorus of hateful comments, contributing to a person’s destruction.

There are no easy answers. I trust that I work every day with your children, the leaders of tomorrow. They are brilliant individuals that are destined for great things. They are change agents who come from diverse

backgrounds, religions and cultures and I see daily, collaboration, growth and lifelong learning occur here. I know that we will grow as a society, we just need to keep talking to each other, sharing stories, sharing ideas and problem solve together.

Rebecca Cooper
Relieving Principal



Calming Kits for Kids

Hello, my name is Zoe Robertson, currently in Year 11 at Gosford High School and participating in the Max Potential program. The Max Potential program is essentially a leadership program that allows the participant to do a community service project.

My community service targets distressed children (0-18) in hospital. A lot of children struggle in staying calm in places like hospitals and schools where their senses can overwhelm them. My plan to help these kids is by creating 'calming kits for kids' or 'sensory packs', that will include a range of toys selected to help comfort them in these situations.

I am asking your family to also support this community need project and donate any toys or materials that would be suitable. Essentially anything that is fiddly, suitable for over 3 year olds and doesn't require batteries is absolutely perfect (examples include bubbles, stress balls, slime, anything that engages the senses). There will be a donation bin in the Welfare Hub for any toys you could spare until August 10th. Thanks,

Zoe Robertson
Year 11, Participant in the Max Potential Program





Coming Events

August 2016

2/08	P & C MEETING 6.00 for 6.30 pm
3/08	HSC Drama Performance Night
4/08	Year 10 Information Evening 6.00 pm
5/08	Nyholm Chemistry Lecture Dr Simone
6/08	Japanese Continuers Exam
8/08	Trial HSC (8–22 August)
15/08	Y10 PASS Snow Trip (15–19 August)
23/08	ICAS Mathematics - Hall
26/08	School Art Exhibition held in Futures Space

DEPUTY PRINCIPALS

Welcome back for Term 3 which promises to be another busy yet exciting term.

Year 12: Students have been issued Trial HSC Examination Timetables. The trials commence Week 4 (8th August) for two weeks and every effort has been made to provide students with a 'trial run' through the HSC exams where possible. Students will only be required to attend school for their set examinations but are encouraged to access the support of teachers and school faculties when not preparing at home. A Presiding Officer and examiners will supervise the exams and we have urged students to review requirements available on the BOSTES website: http://www.boardofstudies.nsw.edu.au/hsc_exams/

Year 10 to 11 Subject Information and Selection for 2017: Year 10 students and parents have been sent a note home and email regarding our Information Night on Thursday 4th August in the Hall from 6.00 pm regarding subject selection for Year 11 2017. The booklet is informative and students currently have the opportunity to seek information from their teachers regarding areas of interest. On the evening staff will discuss the selection process, BOSTES requirements for both the Preliminary and HSC and there will be an opportunity to speak to teachers about subjects offered in the senior school and career pathways. We look forward to seeing you on the evening.

Year 8 to 9 Subject Information and Selection for 2017: This parent information afternoon/evening will take place on Tuesday 6th September, 2016. Times will be made available closer to the date.

Have a great term.

Gary Bennett and Glenda Horner
Deputy Principals

CAPA

I must start by acknowledging the efforts of both the students and CAPA teachers involved in the wonderful performances of "The Big Day In" in Week 9 of last term. This was a thoroughly enjoyable day that showcased the diverse talents of our students at Gosford.

Congratulations to all of the Year 8 students for their exemplary participation in the drama performance day and the music presentation "We Will Rock You", I hope you gained some further insight into the scope of creative arts as you start to plan electives for next year.

All Year 12 students in drama, music and visual arts are now very busy in preparation for the Trial HSC in Weeks 4 and 5 of this term. They are juggling the commitments of practical HSC subjects by meeting due dates for the internal and external assessment components of both the Trial and HSC. Ms Gatland, Mrs Partridge and I are more than happy to answer and assist parents and students if there are any questions relating to the HSC. Good luck to all of these Year 12 students over the coming months.

Important Calendar Dates:

- Aug 3: HSC Drama Night 6.30pm-8.30pm
- Aug 22: HSC Drama Performances- External Markers
- August 24 Year 12 Visual Arts "Body of Works" due.
- Aug 26, 27 & 28: Year 10,11 and 12 Art Exhibition
- September 20: DRAMARAMA.



ABSENCE FROM SCHOOL

Absence from school is notified using SMS on the day of the absence.

Parents are reminded that if your child is absent, a note must be provided immediately on return to school.

Absences for part of a day, including late to school, are also required to have a note of explanation submitted.

Student Day at The Sydney Writer's Festival – 16th May, 2016



The SWF School Day was a fantastic opportunity for 60 of our keenest students to engage with a wide variety of authors, discover new ideas and be inspired to write. We were privileged to have writers and illustrators perform, read from their work, talk about their craft and take questions from the audience. Book signing was a highlight and we were lucky enough to be interviewed by Deb Rice from the ABC and you can read the online article at:

<http://www.abc.net.au/news/2016-05-16/sydney-writers-festival-kicks-off-with-school-for-students/7417548>

Or see the TV interview at:

<http://www.msn.com/en-au/video/w/its-a-school-of-thought-outside-of-the-classroom-high-school-students-were-today-given-unprecedented-access-to-authors-and-social-commentators/vp-BBt8hCd>

Callista Heron (10S) tell us about her day:

We spent the day at the Sydney Writer's Festival, which was a unique opportunity to learn from a range of widely acclaimed authors. The festival was split among three venues, each with their own set of authors and topics. I went to the Packer Rosalind theatre, where four different authors talked about themselves, their careers and their stories. I learned that to be an author, you have to be a storyteller and an entertainer above being a good writer. Their personalities and abilities didn't sit beneath a single label, which goes to show that anyone can be a writer with enough work.

John Boyne, Michael Grant, Vikki Wakefield and Claire Zorn stood on stage to speak to us. In those forty-five minutes, we learned so much about them and how they write their stories. John Boyne said that books take years to be written and rewritten until it is ready to be published. Michael Grant then told us that publishers don't pay much for a book, so an author writes a lot. He wrote over 150 books and his first few went unnoticed and completely unpaid. After all four speeches, the most valuable thing I learned came from Claire Zorn. Inspiration can come from anywhere, so there's always an opportunity to write a great story.

At the end of each speech, we had a chance to ask the authors questions. We also had time to talk to them for book signings, and almost everyone had at least one book to be signed. They were happy to talk, despite the long line of students waiting to see them. Authors are real people, and we have the chance to be like them, or anyone we want to be. In the end, we all have the potential to stand up on stage and talk about what we love, doing what we love, just like them.

From the Sydney Writer's Festival, I learned new ways of writing stories, getting them published and what it is that an author does- tell stories. Anyone can write, and we write for many different reasons. We write to escape, for enjoyment, as an outlet or because there is nothing better to do. Maybe it's for the joy of creating something with little more than a thought in your head and a pen in your hand.

As Vikki Wakefield said, "Never wait to achieve. Don't fear of failure for failure. You have to learn for yourself. We writers write a lot of words, and sometimes we get them wrong. So pay attention. It's never too late to change your story."

Laura Craven
Head Teacher English

SCIENCE

"Each problem that I solved became a rule, which served afterwards to solve other problems."

Rene Descartes

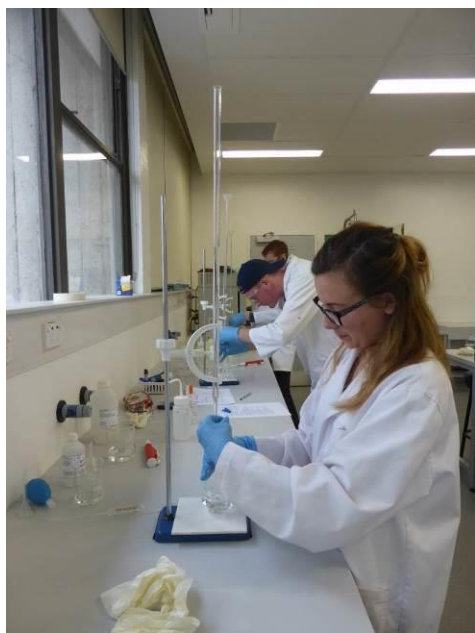
Big Science Competition: This year 246 of our students sat for the Big Science Competition and the students again did very well. 68 students achieved a credit and 51 achieved a distinction. The following 24 students finished in the top 5% of the state and were awarded a high distinction: Year 7: Callum Davies, Liam Drake. Year 8: Anya Tatarinoff, Cody Doran, Elswyth Walker, Ian Jeon, Jason Jeon, Karl Harris, Liam Drake, Sungyoon Kim. Year 9: Yve Nichols-Evans. Year 10: Dan Barron-Hyland, Josh Jones, Joshua Cesca, Mitchell Sigley, Noah Berry. Year 11: Dylan Jones, Jacob Willson, James Wright, Nicholas Damaso, Sarah Walker, Thomas Laznik, Timothy Robinson. Year 12: Joseph Nguyen.

The high distinction certificates will be presented to students at the next Celebration Assembly and the other certificates will be distributed in science classes. I would like to congratulate all the students who took part in the competition on their outstanding results.

Science and Engineering Super Challenge: Our Year 10 team of 30 students won the Central Coast Challenge earlier this year and will be travelling to Newcastle for the State final of the competition on the 30th of August. I would like to congratulate the team on their Central Coast win and wish them well for the state final.

Science Olympiad Qualifying Exams: The school once again offered a ten week, after school program to prepare students for the Physics and Chemistry Olympiad qualifying exams. This year, 24 Year 11 students have registered to sit the exams which will be held throughout August. We would like to thank the students for making the time to take part in this challenging program and to wish them all well for the exams.

Titration Competition: On Saturday the 18th of June, 24 students from Years 11 and 12 attended the RACI NSW Titration Competition which was held at Macquarie University. Over a 1000 students from NSW take part in the competition annually at a variety of venues across NSW. The competition allows students to put the analytical skills learned in the classroom to the test in a practical setting. This year's competition was fierce but ultimately a team of 3 students from Gosford High School was successful in winning first place. The team was comprised of Peter Sutherland, Raghav Thonse Bhat and Vik Tomov from Year 12. A big congratulations to the successful students and to all the students who participated in the competition. I would like to thank Ms Foy and Mrs Rennie for training the students for the competition and for taking them down to the event.



Nyholm Chemistry Lecture: The school will once again be hosting the Royal Australian Institute of Chemistry, Nyholm Lecture. On the 5th of August, students from Year 9 and Year 10 will have the opportunity to attend the lecture, which this year will be given by Dr Michela Simone from the University of Newcastle on, "Sugars, Drugs and Rock & Roll".

Paper Plane Competition: The school will be participating in a state-wide paper plane competition during Science Week (13th-21st August). Heats will be held at lunchtimes during Science Week. Students should watch the daily news for more details.

There are two categories:

- Distance thrown: qualifying distance 18m
- Time of flight: qualifying time 6 seconds

Students can enter either or both. Plane must be made from a single sheet of A4 paper (provided)

The final will be held at NSW University on the 27th of August. I would like to thank Ms Challinor for organising this competition at the school and look forward to seeing the type of planes the students produce.

Gosford High School Rocket Competition: In term 4 the science faculty will be holding a PET water rocket competition with substantial cash prizes that will be open to all students. The challenge will involve designing a rocket that stays in the air for the maximum time. The rocket can only be powered by the ejected water, no additional power source is allowed. Interested student should start thinking about and researching possible designs.

HSC exam preparation classes: Throughout Term 3, voluntary 'Towards Band 6' HSC exam preparation classes are being held at lunchtimes for Year 12 chemistry and physics students. I encourage students to take advantage of these classes and thank the science teachers involved for giving up their lunchbreak to provide students with these additional classes.

Dr Butler
Head Teacher Science

LIBRARY

Printing

Students are able to print at school by purchasing credit through the library for their *Papercut* account. This money is immediately added to their profile so that they can print or scan from any desktop computer to any available printer at the school. Any credit stays on their account from year to year.

When the program was first introduced students had to queue to buy a \$2 or \$5 card from the front office, come down to the library, wait for a library staff member to add the purchased amount and then print. To save students a lot of time we streamlined this process so that credit can be added immediately at the library. Unfortunately, many have got into the habit of just adding 10c or 30c at a time when they need to print which is proving to be very time consuming for the library staff. It also means that the students are having to queue up and wait to add money to print one page which is frustrating and time wasting for them – exactly what we were trying to avoid. With this in mind please be aware that from the beginning of this term we have reintroduced a minimum purchase amount of \$1 for printing credit. This will improve the service we are able to provide for all our students. Thanks for your understanding.

Overdues

With the new library system OLIVER we are now able to email students to remind them when books are overdue, which should be a much more efficient method than the previous way of handing out paper reminders. Some students respond to this method of communication better than others and unfortunately there are currently a large number of long term overdue items. Students are not able to borrow library books if they have long term overdue items.

We are currently in the process of contacting via phone or letter the parents of those students with long term overdue items with a view to either getting the books returned or seeking the replacement cost of the item so that a new copy may be made available for others. We always appreciate any parental assistance in helping students find and return library books. Again, thanks for your understanding and support.

Poetry to the Rescue

Year 7 students were treated to 45 minutes of an innovative, energetic and above all fun performance by Australia's most popular poet for young people, **Steven Herrick** on Thursday 21st.

The students thought the performance was 'really funny', 'very clever', 'great way to enjoy poetry', 'excellent', 'didn't think I was going to like it but he was awesome'. The students were a wonderful audience and Steven was very impressed with their behaviour, questions and engagement with the poetry.

Makerspace

A makerspace is a place where students can gather to create, invent, tinker, explore and discover using a variety of tools and materials.

We have converted a room in the library to start our own Makerspace which interested students can book into on nominated lunchtimes to spend some time creating for fun. We have purchased a small amount of equipment to get us started such as a raspberry pi, littleBits, makey makey, 3D pen, arduino, wearable tech, hummingbird, a green screen and a sewing machine. We would love some donations of the following items...LEGO, LEGO, LEGO! material (off cuts), wool and knitting needles, crafting paper and any tools or electronics bits and pieces you might have laying around.

Chess

Chess Club will be meeting on Tuesdays this term in the library. This term we have decided to go for a casual games formula. This means that students bring their lunch in and play against whoever is free for a game. Players move up a rung on the ladder if they win and move down a rung if they lose. Chess Club is open to all players of any age or ability and whilst there are no formal games lessons, all students will learn and improve through playing.

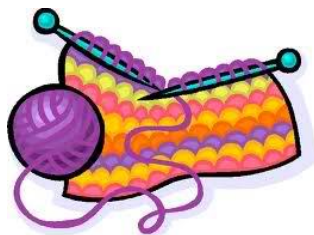
LANGUAGES

Term 3 is the performance term for Year 12 Languages students when they will complete their HSC Languages oral examinations. Continuers candidates have a 10 minute 'interview' with an examiner and the Beginners have 5 minutes. The exams will be held on Saturdays throughout Term 3, beginning on 6th August. Students are reminded to check that they know the date and venue of their exam, allow time for delays and to take a hard copy of their personal confirmation of the place, date and time of their Oral Examinations with them on the day. Good luck, Year 12.

We would like to thank Ms Barbara Porkert for again giving up her time to provide invaluable assistance to the German candidates as they practise for their exams.

Peace Day is on the 6th August and Year 8 Japanese students will be folding origami cranes and reflecting on how Sadako, a victim of nuclear war, has been an inspiration to many.

‘Rugs for the Refuges’ 2016



More than twenty-five students have continued to knit squares for rugs on Tuesday lunchtimes. The project will finish in the next few weeks and the students must be commended for their perseverance and output. There has been a wonderful response to requests to help sew up the rugs. Already, thanks to Ms Lynne Golland, we have two completed rugs and several other members of the community will be sewing up more in the next few weeks. Thanks to Lauren Magro and her family for contributing approximately 30 squares. Ms Day and Ms Sheehan have been stalwarts in giving their time to help. There will be a full final report with photos in the next Blues News.

Au revoir! さようなら! valete ! auf Wiedersehen!
- from the Languages staff

NAIDOC

NAIDOC Week Celebrations with Gosford City Learning Community:

Seven students, Mr Shelley and Jocie from GHS attended an all-day event on Friday 17 June - *Outback Experience* by Koomurri Aboriginal Incursions.

The day included a didgeridoo show, storytelling, traditional song and dance, Aboriginal face painting, boomerang throwing, artefacts and bush survival skills. All students that attended contributed towards a large hand painted canvas artwork mixed with Aboriginal symbols and dot art painting techniques. Each year one school is selected to receive the artwork - next year it's our turn! Our students also enjoyed playing Indigenous games on the oval led by Henry Kendall High School Indigenous leaders before enjoying a BBQ lunch.



PDHPE

Cross Country

Congratulations to the 5 students who competed at the NSW All Schools Cross Country Carnival held at Eastern Creek – they did their school and their region proud!

Mackenzie Hildebrand, Zoe Clarke, Caitlin Fuchs, Laura Ghali and Zac Martin.

Zac placed 3rd in the CHS division and 5th overall in his race which means he gained selection in the NSW team to compete in Canberra later in the term.

Athletics:

Well done to our athletics squad who took out the Brisbane Water Zone Athletics Carnival by only 7 points! It was a wonderful team effort. Congratulations.

Savannah Wheeler	15 years Age Champion
Tom Rodham	13 years Age Champion
Marc Sheather	14 years Age Champion
Dominic Reed	15 years Age Runner up
Michael Tawyer	17-19 years Age Runner Up

Zac Martin broke 2 records – 15 Boys 1500m and 800m



Zac

Gosford had forty four competitors, which included 5 relay teams, qualify for the Sydney North Regional carnival which was held in week 2 of this term. Zac broke the Sydney North record in the 1500m – an excellent achievement.



Annika Ryan



Kayla Hart



Caitlin and Laura



Relay Team



Basketball:

A HUGE CONGRATULATIONS

to the Boys Open Basketball team for winning the state knockout competition last term. After a few nail biting encounters during the rounds of the competition, they took on Westfield Sports High in the final and were victorious 90 – 77. An outstanding team performance! Thank you to Mr Anthony for all his hard work in organising and coaching the boys.





Basketball Team:

Year 12: Jordan McLennan (Captain)
 Aaron Redhead
 Jordan Rockoff
 Ben Walton
 Brae Luafalealo
 Micah Sheath
 Nick Tobin
 Year 11: Michael Russell
 Year 10: Ethan Williams
 Year 9: Joshua Brooke

Sport Awards:

Nomination forms are available for Year 12 sport awards. There are a variety of awards on offer and students are encouraged to submit a nomination form to Mrs Walker. Forms are available from the PE staffroom.

Jenny Walker

Relieving Head Teacher PDHPE

CASH REGISTER



The cash register is closed after second recess every Friday and the last day of every month

TAS

Design students in a TAS subject actively apply their imagination when problem solving to create their design solution. The skills of research, evaluation, justifying choices, planning and making a prototype design solution are culturally important to society for the outcome of applying imagination is creativity and innovation – skills for the 21st century.

This report from TAS highlights the creative design work completed by stage 5 students.

Zero Robotic coding success at Sydney University:

On the sixth of May, the 2016 Zero Robotics competition was launched by the University of Sydney. The Gosford High team, consisting of ten seniors travelled to the competition launch to meet the competitors, which included twenty schools from around the country.

The competition involved a programming challenge to control a robot in a zero gravity situation, and collect photographs of a virtual asteroid. Our team had two months to program the robot.

At the end of the two months the team had made progress, but with three hours left they realised that their code was above the competition's size limit. Instead of trying to fix it, we started again.

Three hours later we submitted a completely new program, which went on to place fifth in the Australian National competition, earning a place in the international round of the robotics program. Our Gosford team defeated prestigious schools such as Normanhurst Boys (whose team won the previous year), Sydney Boys, The King's School, Cherrybrook Technology High School and Epping Boys. Thank you Mr McFarlane for your support.



2016 UNSW Digital Technologies competition: The international competitions and assessment for schools independent skills-based assessment – ICAS

This year 152 students from Gosford High School sat the ICAS Digital Technologies competition and assessment. Many outstanding results were achieved, in particular 23 Distinctions and three High Distinctions were granted. Congratulations to Ashton Baginski, Liam Davies and Daniel Greeff from year 8. Congratulations to all our participants and high achievers on your excellent results.

Robogals are coming!



Permission notes are being distributed for the Robogals workshop to be held in the design studio 12th August. Year 8 girls and Year 9 girls studying a TAS subject as well as ten girls across the school interested in engineering can collect a permission note from the TAS block or Mrs Johnson. University engineering students will run the workshop which requires students to collaborate, problem solve and design a solution. In 2015, the girls programmed a robot to navigate a circuit on Mars. The workshop is packed with STEM and the engineering students from NSW University also talk about engineering subjects at Uni.

Year 10 Information Software Technologies:

```
import pygame
import time
import constants
import levels
from bullet import Bullet
from bullet1 import Bullet1
from player import Player
from pygame.sprite import Group, GroupSingle, GroupCollide
pygame.mixer.init(frequency=22050, size=16, channels=2, buffer=512)

def main():
    """ Main Program """
    pygame.init()

    # Set the height and width of the screen
    size = [constants.SCREEN_WIDTH, constants.SCREEN_HEIGHT]
    screen = pygame.display.set_mode(size)

    pygame.display.set_caption("Lucario Scroller")

    # Sound
    sphere = pygame.mixer.Sound("sphere.wav")
    pygame.mixer.music.load("background.mp3")

    # Create the player
    player = Player()

    # Create all the levels
    level_list = []
    level_list.append(levels.Level_01(player))
    level_list.append(levels.Level_02(player))
    level_list.append(levels.Level_03(player))

    # Set the current level
    current_level_no = 0
    current_level = level_list[current_level_no]

    platform_list = pygame.sprite.Group()

    # List of each bullet (sphere)
    bullet_list = pygame.sprite.Group()

    # List of all sprites
    active_sprite_list = pygame.sprite.Group()

    player.level = current_level

    player.rect.x = 550
    player.rect.y = constants.SCREEN_HEIGHT - player.rect.height - 50
    active_sprite_list.add(player)

    # Bullet (Sphere) fire rate
    shot_delay = 300
    last_shot = 0

    # Loop until the user clicks the close button.
    done = False

    # Used to manage how fast the screen updates
    clock = pygame.time.Clock()

    # Font
    font = pygame.font.Font(None, 36)

    # Stuff for intro
    display_intro = True
    intro_page = 1
```

The most enjoyable part of IST for me was creating my game in python. It was awesome finding out how to code and make my creation come to life. It was hard at times, as it is with when you are learning something new, but it was very fun. I also spent a lot of time on it outside of the class as well, as whenever I had free time I would come up with more ideas to put into my game and hop onto my computer and program them in. In IST I have learnt how to program in python, use Photoshop and furthered my learning of Unity (a game creation program). In python I created a 2D platform scroller. This involved me learning how to create characters, make the characters move, create simple animations, create platforms, play sounds and many other things. This involved me being able to make things like functions and variables.

By Curtis Johnson

```
YELLOW = (252, 255, 0)

while not done:
    clock.tick(60)

    #Check for game exit
    for event in pygame.event.get():
        if event.type == pygame.QUIT:
            done = True
    #Mouse click events
    if event.type == pygame.MOUSEBUTTONDOWN:
        #get the mouse position when you click
        pos = pygame.mouse.get_pos()

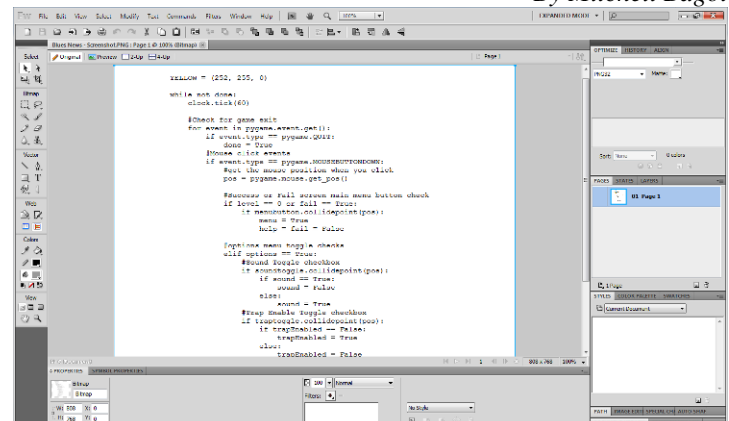
        #Success or Fail screen main menu button check
        if level == 0 or fail == True:
            if menubutton.collidepoint(pos):
                menu = True
                help = fail = False

        #options menu toggle checks
        elif options == True:
            #Sound Toggle checkbox
            if soundtoggle.collidepoint(pos):
                if sound == True:
                    sound = False
                else:
                    sound = True
            #Trap Enable Toggle checkbox
            if traptoggle.collidepoint(pos):
                if trapEnabled == False:
                    trapEnabled = True
                else:
                    trapEnabled = False
        #Main menu
        if menubutton.collidepoint(pos):
            menu = True
            help = fail = False
            options = False
    #Play Button
    if play.collidepoint(pos):
        help = True
        level = 1
        musicplaying = False
```

Python/Pygame development has allowed me to learn several new skills with the Pygame libraries whilst the photo manipulation topic taught me useful skills in Photoshop and GIMP. Throughout all of these topics, however, the opportunity to assist others has been a specifically enjoyable aspect of the subject. A few of my classmates, and students from other classes, asked me for assistance during the Pygame development topic. By assisting these students, I not only helped them to successfully complete their tasks, I was also able to increase my knowledge of Python and the Pygame library. The game I developed was designed to improve the touch typing capabilities of people by making them guide a character through a maze with constantly shifting keys.

Overall through the various units of work, I was able to learn a variety of new skills including sprite and class creation, including how to implement these into a game, colour adjustment in Photoshop and several methods of developing cleaner code. All of these skills are useful in any code project as they allow the program to be both simpler for others to understand and shorter in length whilst maintaining its initial capabilities.

By Mitchell Bagot



10 Industrial Technology Engineering

Throughout this trimester in engineering the early stages of constructing my bridge has been the most enjoyable aspect during the unit bridges. From my perspective sketching different designs and then drawing the final design was one of the highlights during the unit. After that measuring, cutting and calculating different angle sizes was probably the most enjoyable part. We were able to make changes to the lengths and angles to produce the highest accuracy and most aesthetically pleasing design. Before we started constructing we were able to identify structural problems that would occur just by looking at sketches. We would only discover problems and weaknesses until we had already started constructing. We had to come to a solution that fixed these structural weaknesses without needing to alter the design too much. After a few lessons experimenting different solutions, we were able to improve the original design and leave with knowledge of these issues for the next time.

By Stephanie Catley

Year 9 Industrial Technology Engineering:

An enjoyable aspect of year 9 engineering for me so far was CREO. This involved creating a truck design on the program CREO Parametric. This was through using the different controls and tools on the program to create various shapes which lead to the overall shape of a 3D truck. I enjoyed using CREO as it was fun seeing the truck eventually take shape and having the freedom to mess around with the different controls, either improving the truck or adding unnecessary parts to it. Through using and learning about CREO Parametric, I have learned many new skills and new pieces of knowledge. One of these was learning how to edit previously made elements of the truck, changing them to improve the trucks design and to fix any problems. Another skill I learned was how to render the truck. This not only added an aesthetic quality to the truck but also was something I found interesting to play with and use. I applied both of these skills to create a design solution through several ways. These included giving my truck an aesthetic, appealing exterior, altering measurements and shapes to fit the design brief and overall creating a 3D truck model that I could work on to begin with.

By Daniel Missak

10 Food Technology:

The most enjoyable practical lesson recently has been our assessment prac. We were asked to prepare and analyse a chocolate caramel slice. We cooked every element, the base, caramel filling and the chocolate top. Not only did this end up tasting incredible, it was fun to learn the techniques involved as well as the assessment task that accompanied it – a dietary analysis. We also made a lot of other great recipes such as healthy lasagne, pretzels and a chicken noodle soup. The recipes we create for major assessments can also be prepared at home. As well as creating we also learn about nutrition and what foods to buy and eat.

By Romy Hutak

Year 9 Food Technology:

The most enjoyable aspect of food technology was taste testing different foods and learning about their nutritional information and value. The new skills and knowledge we learnt included reading and understanding the nutritional

information for foods and that has helped us to make better choices with our foods.

By Shreyda, Sienna, Isabella and Eliza

TASmania17:

Information about the TAS to TASmania 17 excursion is about to be released. Year 9 students studying a TAS subject should seek information from their teacher. The 2017 travel dates will be March 13th to 18th

Crack the Code:

For the students in TAS that read the blues news, TAS has a challenge for you. Can you crack the following code? There is a prize for the first correct answer.

8279

Evaluating Cauliflower based pizza



Photocopying



Liam explaining to Mr Shelley his design thinking and solution.



Year 11 The results of research, collaboration and design for end use



Testing



Design Realisation



Experimenting



SCHOOL TRAVEL Information for Students

If provided with a School Opal card or school travel pass the student must comply with the [Student Codes of Conduct](#).

The School Opal card or school travel pass can only be used for approved travel on school days between the student's home and school or college between 6.30am and 7pm (6.30am and 9.30pm for TAFE students)

The Scheme does not cover travel to and from:

- before and after school care or child-minding premises
- before and after school activities
- school excursions
- sports events
- work experience
- Vocational Education and Training (VET) at a location away from where the student is enrolled
- multi-campus high schools, weekend schools, pre-schools or mini-schools (except for full-time geographically isolated distance education students).

**Ticketing and Concessions
Infrastructure and Services
Transport for NSW**



Use public transport... plan your trip at transportnsw.info

Get on board with Opal at opal.com.au



Uniting

Tuning in to Teens

Emotionally Intelligent Parenting

A six-session parenting program
for parents of adolescents aged 10 – 18

Would you like to learn how to:

- Improve ways of talking with your teen?
- Develop a better understanding of your teen?
- Help your teen learn to manage their emotions?
- Help to prevent behaviour problems in your teen?
- Teach your teen to deal with conflict?

*Tuning in to Teens shows you how to help your teen
develop emotional intelligence*

Adolescents with higher emotional intelligence:

- are more aware, assertive and strong in situations of peer pressure
- have greater success with making friends and are more able to manage conflict with peers
- are more able to cope when upset or angry
- have fewer mental health and substance abuse difficulties
- have more stable and satisfying relationships as adults
- have greater career success

Emotional intelligence may be a better predictor of academic and career success than IQ!

Where: Peninsula Community Centre
93 McMasters Rd, Woy Woy

When: Tuesday's 16 August – 20 September, 7- 9pm

For bookings contact:

Coast Community Connections - 4341 9333

For more information contact:

Michelle McNicol or Linda Thomas RAPT 4325 9600

