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Term 4 – Issue 15

Monday, 16 November 2015

Term 4

Week 7

Tues 17 – Fri 20 November Support Camp to Syd

Wed 18 & Fri 20 November Focus Ten

Week 8

Wed 25 – Thurs 26 November White Card Training

3D Printer

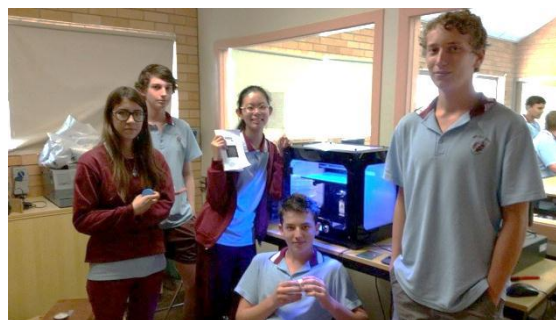
This year the TAS faculty has purchased a 3D printer that can be used in design projects across all of the Technology subjects in years 7 to 12. Students will be able to make 3D models and prototypes of design projects and print them in plastic. This can be useful to do prior to constructing them in other materials such as timber or metal.



Students participated in a Dlux Media Arts 3D printing workshop earlier this year and were able to make a variety of different projects. Students used a free online program called “Tinkercad” to make their designs.



The 3D printer works by heating up the plastic to around 200°C and placing layers of plastic down one layer at a time. Depending on the print job it can take 5 minutes or over an hour to print an item. Some of the students who didn't get to print their work on the workshop day can now use the schools printer to complete their work.



L-R Sarah-Belle, Nicholas, Annabel Jayden, Jason

The TAS Faculty would also like to take this opportunity to welcome Felicity Sutcliffe, from Newcastle University, to Melville High for her Teaching Practical this term. We wish you the best of luck in your teaching career Felicity!



Robotics

Year 10 Information Software Technology (IST) are studying Robotics this term. Their assessment is constructing two different Robotics kits that were funded by the Parents and Citizens Association (P&C). Mrs Naylor and Year 10 IST would like to thank the P&C for the fantastic learning opportunity that has been provided thanks to the P&C financial contribution.



Sarah & Annabel

Students are working in two groups to make two different Robots. When completed one group will have made a Darwin-Mini, which can do things such as walk, dance, play soccer and wave when programmed with a Smart Phone or Tablet. The other group is making a STEM Robotics Kit (Science, Technology, Engineering, and Mathematics). When finished it will be a motorbike robot which can also be programmed.

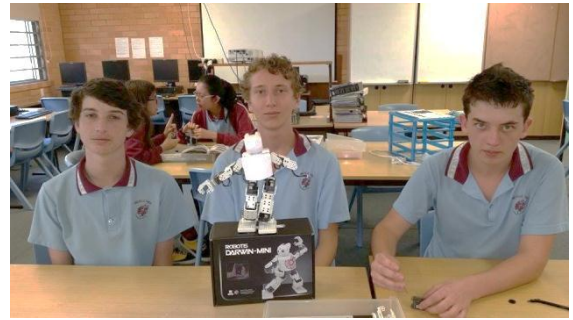
Year 10 are also studying the ethical issues involved in the use of technology such as robots.



They are researching the Three Laws of Robotics, as written by author Isaac Asimov:

1. A robot may not injure a human being or, through inaction, allow a human being to come to harm.
2. A robot must obey orders given it by human beings except where such orders would conflict with the First Law.
3. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

Through these three laws, Year 10 IST are exploring moral concerns related to the use of robots in everyday life and the possibility of them becoming a common piece of technology in every household.



Nicholas, Jason & Jayden

Woodwork report.

Term 4 sees the Woodworkers at Melville H S on the verge of completing some fabulous projects and creating lots of timber shavings and saw dust! Year 7 have recently constructed their toy Hippos with moving parts. All the projects are well done, but the work of Eloise Bourke, Caleb Robinson and Drew Kennedy really stand out.

Year 8 students have completed a timber bread board with curved and contrasting timbers. The classes have enjoyed the activities and again there is some high quality results that the students can be proud of. Jayden Daroczy, Tyler Broadhead and Josh Sutherland's projects are outstanding.

Year 11 Industrial Technology have commenced the HSC Course and hence are busy planning their Major Design Projects. Some exciting and creative ideas have already been prototyped and we look forward to seeing how the work progresses.

Overall it has been a excellent year for the Melville "Woodies" and everyone is excited about starting their next project in 2016. Stay tuned to Melville Matters for the next Woody update.

John Kassel
Industrial Arts Teacher



Jayden

*Shannissa**Tyler*

From the English Department

Factual Recount – Mt Blanc Tunnel Disaster by Campbell 8K

On March 24th 1999, what began as a small truck fire, quickly consumed the Mt Blanc Tunnel which connects Italy to France beneath The Alps. Thirty Eight people died in this accident.

At 10:30am, a refrigerated truck carrying margarine and flour entered the tunnel from the French side of the tunnel. Investigators believe that a cigarette taken in through the air filter started a fire in the truck's engine (which got bigger when the truck driver noticed smoke and stopped in the middle of the tunnel) because the fire could get more oxygen. Gilbert Degraives, the driver, couldn't extinguish the blaze quickly enough as the cab of the truck erupted into flames which then caught the diesel tank.

Once the whole truck was alight, no one could extinguish the fire. As the flour and margarine ignited, it acted as fuel to an enormous, out of control fire. Since the smoke was so thick, the thirty eight people stopped in their vehicles behind Degraives' truck couldn't see how dangerous the

fire was going to be, or that they would very soon be trapped with no escape. The smoke was moving 4.5m per second or 16km per hour. The whole tunnel was filled with toxic smoke within an hour of the truck catching alight.

At the Italian end of the tunnel, the control officer noticed vehicles stalling because the fire was taking the air and he pumped oxygen into his side of the tunnel thinking that all the people trying to escape to the Italian side could drive away. Pumping oxygen may have saved some people but it also made the fire so much worse. In the French end it pushed the smoke further down the tunnel.

The French sent their fire fighters in to put out the fire but as they got close they were forced to go into one of the fire refuges until they, themselves, could be rescued. Italian fire fighters got 15 metres from the fire then large explosions from car tyres threw shrapnel in the air. The fire fighters were forced to run for their lives back to the exit. On the way, they picked up trapped people from their cars.

As a result of this disaster, many safety rules were implemented. For example, there is now only one main control room in the middle of the tunnel and a full time fire and rescue team permanently on site. New fire refuges and smoke detection systems were put in place and trucks have to be scanned for heat by infra-red technology before entering the tunnel.

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The film "She's the Man" is a modern remake of Shakespeare's "Twelfth Night". In the story, Viola Hastings (a female soccer player at Cornwall High), disappointed by her school cutting the girls' soccer program and challenged by her boyfriend that girls can't play soccer as well as boys, comes up with an outrageous plan to prove her point that girls can be just as good. She disguises herself as her male twin brother and enrolls at Illyria High to try and be selected in the boys' soccer team.

8L had the task of writing a news article that reported the day Viola's real identity and gender was revealed.

The Illyrian Post

What was "her" Goal?

By Jemima 8L

"Male" star soccer player "Sebastian" Hastings was shockingly revealed this Saturday to actually be Cornwall ex-GIRLS' soccer captain Viola Hastings, the *real* Sebastian's twin sister. The discovery shocked all that witnessed the event and left even her closest Illyrian friends in disbelief.

The suspicious trail of evidence about "Sebastian's" real gender began with a discovery by "his" room-mate, Duke Orsino. He has admitted to finding a box of tampons stashed away in "Sebastian's" soccer boots. "At the time I was freaked out about the tampons but I was told they were for nosebleeds so I didn't think about it for too long" says Duke on the subject.

The mystery then grew on at Cesarios' Pizza Parlour where Duke and his two friends, Toby and Andrew, were approached by several girls wanting to see "Sebastian". Toby said after the incident, "There is NO way a guy can stay in contact with that many girls."

"Sebastian Hastings" fooled the whole Illyrian soccer team about his gender, but only made it into the second string side.

"It was hard, really hard. I didn't know how to keep it up, doing normal, everyday things was difficult for me as "Sebastian," said Viola about pretending to be a boy.

As we continued to interview Viola, the true nature of the plan was revealed, "It was originally to prove girls can play just as good, or maybe better, than guys. But as it went on I realized it was sort of a way to stick it to my ex-boyfriend Justin, and also to stay close to Duke, once I realised I liked him."

Justin refused to speak with our reporters on the issue.

Illyrian beauty, Olivia, also fell victim to Viola's façade as "Sebastian". She commented, "I thought he was just a gentle, sensitive guy with a few minor tweaks to fix, but I really had no idea "he" was a girl. Though I have to thank her in the end, I'm happy now with the *real* Sebastian."

After the game, the team was happy to welcome both the *real* Sebastian and Viola to our wonderful

school as by now, most of us have realised that Viola Hastings is just a normal student willing to fight for what she believes in.

Charges Dropped

In related news, Principal Gold stated that he is dropping all charges against Viola Hastings and is now helping her settle in as her normal self. As for Sebastian, he has been given three months' detention on account of skipping school without the permission of a parent or guardian.

Congratulations- English Competition Results

Earlier in the term, all students who participated in the annual UNSW English Competition received their results and feedback letters. This week, on assembly, the school was able to recognise the outstanding success of four students in particular.

Congratulations to: Eloise (Year 10) who received a Credit; Ruby-Jane, Rosie and Sheriden (all in Year 7) who received Distinctions.

Participation is always encouraged as a worthwhile means of gaining confidence and skills in this type of assessment but to perform this well is a wonderful achievement. We hope next year to encourage a larger number of students to volunteer to go in this competition.

DEPUTY PRINCIPAL'S REPORT

Melville High School prides itself on the quality of the relationships between the community, the parents/carers of our students, the staff and, of course, the most important members of our school our students. Our school bases much of the quality of these relationships on an International Process of improving the standard of education for the students at our school called Positive Behaviour for Learning or PBL for short.

PBL, when working at its optimum involves input from all stakeholders in a school community.

About PBL – PBL is an evidence-based whole school systems approach that:

- addresses the diverse academic and social needs of every student to support them to be successful.

- supports students in early childhood settings through to senior years of schooling
- enables schools to establish a continuum of supports that are intensified to meet the needs of every student.
- is team driven, using a problem solving approach (data, systems and practices) that engages students, parents and all school staff.
- establishes positive social expectations for all in the school community.
- provides a framework for the school and its community to collectively support the wellbeing of every student.

When implemented well:

- students respond positively as they have been taught what is expected of them
- staff deliver consistent responses to student learning and behaviour
- students feel safe and cared for at school. Their parents, family and community are more involved in their school
- unproductive and challenging behaviour can be significantly reduced for most students.

The idea behind PBL is exactly what its name implies. The more positive behaviour exhibited by students, the more effective the learning that takes place. Melville High School has a matrix that outlines the behaviour expected of students to allow this to occur. Mr Jacobs, Miss Walker, Mrs Overton and Miss Nadin attended the PBL Expo on Tues 10/11/15 at Port Macquarie. They will now use the knowledge and experience gained to further the program. Below is a photo of Melville High School stand with Miss Nadin and Mr Jacobs as Captain Respectful.



Melville High School staff has recently composed a matrix of expectations for staff to ensure that effective learning takes place in all school settings. A copy of this matrix is attached. We are in the process of designing a similar matrix for parents/carers that will outline what the schools expects from parents to support the effective learning of Melville High School students. This will be discussed at the P & C meeting in February 2016. All input into this matrix from parents/carers is valued and appreciated. Any comments can be communicated to any member of the P & C or to Troy Stewart, Deputy Principal.

Remembrance Day

Melville High School took an active role in commemorating Remembrance Day.



Keely and Ben at the East Kempsey Cenotaph laying a wreath

SRC students and Aboriginal students also laid wreaths at the Melville High School Remembrance Garden.



Troy Stewart
Deputy Principal

Macleay dLab Exhibition.

The opening is on the 5th November at 6pm and the exhibition will run for 2 weeks thereafter.

We are also inviting school groups to participate in excursions to the exhibition.

It is a great opportunity for students to see creative work made by their contemporaries and the exhibition promises to be a great stimulant to conversations amongst students and teachers about the intersections between science and art. School groups are encouraged to take their time interacting with displays, discussing ideas and possibilities inspired by what they see whilst in the gallery; making the experience a fun and educative outing for the end of the school year. Attached is a further project description.

Kempsey Shire Council in partnership with dLux Media Arts have been delivering The Macleay dLab Program to the region over the last 24 months, and the work produced ranges from animation, microscopic imaging, 3D Printing, film making and simple electronics.

The opening for the show is scheduled for Thursday 5th November at 6pm. Gallery hours for

the event will be Tuesday to Saturday 11am to 4pm.

School Excursion scheduling will be managed by Sion Thomas from Artmakas Gallery.

Her contact details are:

macleayartmakas@gmail.com ph: 0491 163 488.

ATTENTION-
DATE CHANGE DUE TO MAJOR ROAD
WORKS ON BIKE COURSE
Plus new race distances.



PORT MACQUARIE TRIATHLON CLUB Enriched Health Care- CAMDEN HAVEN TRIATHLON FESTIVAL

19th and 20th of March 2016

More info on entry fees etc in early 2016

Saturday 19th of March

1km ocean swim --12pm(15 y/o and over)

LUSC Beach obstacle course (6-10 yr olds) and Triathlon (11- 15 yr old)- From 1pm

A bike to be won as a random prize

Sunday 20th of March- 7am start

Enriched Health Care-
Olympic Distance senior triathlon –
1.5km swim/40km bike/10km run

OHBS- short course
500m swim/20 bike/5km run

Over \$3000 combined in prize money and random draw prizes

MELVILLE HIGH SCHOOL PBL MATRIX FOR STAFF

At Melville High School, we Do It R.I.G.H.T.!!

Respectful	<ul style="list-style-type: none"> • Ensure your Language and actions reflect Melville High's PBL values. • Respect all members of the school community by listening, speaking and acting respectfully.
Industrious	<ul style="list-style-type: none"> • Lead by example, by being on time and prepared. • Provide effective and timely feedback. • Remain current with all student related issues. • Be an active member of the school community.
Growing	<ul style="list-style-type: none"> • Welcome change and attend meetings and professional learning with enthusiasm. • Act with maturity and do not act on emotions. • Become involved in and encourage participation in extra curricula activities such as sport/swimming carnivals, dance, music. • Give explicit instruction of relevance of learning activities.
Healthy	<ul style="list-style-type: none"> • Provide a safe and confidential learning environment for all students and actively supervise when on duty. • Facilitate the resolution of conflict peacefully. • Be positive, debrief with peers, stay home when sick and monitor mental health of yourself and those around you. • Report WHS issues and promote and demonstrate a healthy lifestyle.
Team	<ul style="list-style-type: none"> • Keep Parents/Carers informed through phone calls and letters and encourage parent/carers involvement. • Embrace all school rules and policies and lead by example. • Communicate with colleagues and share expertise ideas and resources. • Speak positively about the school. • Dress appropriately modelling WHS compliant shoes.