

Harvester Technical College

May Newsletter

May Issue, 2016

2016

Cathy Freeman Summit Inspires Young Leaders of Tomorrow

Nominated year 12 Harvester Technical College students were invited to attend the inaugural VIP School and Community Leadership Summit hosted by the Cathy Freeman Foundation on April 28, 2016.

Students from a range of schools around Victoria congregated to participate in a workshop aimed at enlightening young Australian leaders about life in remote Indigenous communities and ways equity and access can be improved.

Fast Track students- Shani Kenny and Courtney Brooking proudly represented Harvester Technical College and participated in a discussion of the range of ways young leaders can work closely with 1600 Indigenous children to improve educational opportunities across Australia.

A special thank you to Shani and Courtney for taking on the challenge to support Indigenous students.

As part of a pilot program launched in schools in 2016, the summit provided inspiration for making change a reality for all young Australians.

With strong emphasis placed on the achievements the Cathy Freeman Foundation has already made, the summit was a powerful reminder that as a collective we can all make a difference.

Thank you to Cathy Freeman & Carey Baptist Grammar School for the priceless opportunity to attend such an inspiring event.

We look forward to collaborating in the future and assisting the Cathy Freeman Foundation by hosting a number of fundraisers.

Many thanks to all the Cathy Freeman Foundation staff.



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DATTA Vic Conference Brings Technology to the Forefront of STEM Education

Harvester Technical College proudly hosted the 2016 DATTA Vic conference this month and the event was a huge success. The theme of the event was 'Steampunk' and there were countless examples of enthralling gadgets and machinery.

As the hallways were filled with cutting edge technology displays and highly trained staff promoting their latest developments in Science, Technology, Engineering & Mathematics.

With Vex Robotics and Wearable Technologies &

E-textiles being just some of the workshops on offer, the event promoted a rich range of tools and resources any teacher could take with them into the 21st Century classroom. For more info on the event turn to page 2!



Harvester Technical College Principal's Report

DATTA Vic Conference

The 2016 DATTA Vic conference hosted on May 13th & 14th here at Harvester was a huge success. With an inspiring keynote speech presented by Ben Forta, Adobe's Senior Director for Education Initiatives, teachers travelled from all around Australia to participate in myriad workshops. With topics ranging from 3D Design and Manufacturing to

Humanitarian Engineering— How to Attract & Keep Girls in STEM. The showcase of skills and knowledge was outstanding.

With Harvester staff members— Aaron Powter, Janeden River, Scott Haselden, Roger Wells & Kami Gillick-Lewis hosting their own Workshops for the event, the turnout could not have

been better.

A special thank you to all the Harvester staff who presented in the event and also to all those who attended.

With a colourful explosion of all things technology related the bar has definitely been lifted for 2017!



Ben Forta: Adobe Director for Education Initiatives



DATTA Vic conference highlights

Engineers attend Sydney's National Manufacturer's Week

Engineers attended camp in Sydney from the 10th of May until the 13th of May. Students were in charge of planning the camp as part of their Literacy and PDS studies. The main purpose of the camp was to attend a day at 'National Manufacturing Week' which is the only

fully integrated annual manufacturing exhibition that showcases latest products and constantly evolving technologies in the expanding manufacturing market. Students spent time engaging in the number of different exhibitions on offer and everyone appeared to find ideas

and machines that inspired them in some way. A day was also dedicated to seeing the sights of Sydney including the Sydney Harbour Bridge, The Sydney Opera House, Darling Harbour and Bondi Beach which the students really enjoyed – ensuring they took

many pictures along the way. Students worked really well together over the duration of the camp and they all seemed to enjoy their time away. Well done everyone!



Engineering students' Sydney Camp, 2016

Pre-Service Teacher Shares Valuable Knowledge & Skills

I would like to introduce Vince Campagna. Vince is a Pre-Service teacher from La Trobe University and he is currently volunteering at Harvester College each Tuesday. Vince has a wealth of knowledge and is a trade qualified Cabinet Maker. Vince is the owner operator of Campagna Furnisher and Cabinet Manufacturing in Melton. In his short time

at the college Vince has settled in exceptionally well and is always happy to share his expertise with both student and technology staff.

Aaron Powter,
Trade Training Manager



Vince Campagna: Student Teacher from La Trobe University



National Manufacturer's Week

Carpentry Camp Visit Kinglake & Murrindindi River

Carpentry students attended a camp to Murrindindi and Toolangi state forest last term to learn about renewable forestry and some of the different hardwood timbers they will be working with in their trade.

a recently logged area as well as other areas at various stages of regrowth. They gained an understanding of the process of regeneration and the time it takes for a forest to be ready for re-harvesting.



Students also completed a hike up to Masons Falls in Kinglake which was unfortunately fairly dry while we were there but a nice walk none the less.

Daniel Monigatti
PDS Teacher



At camp, some students were lucky enough to catch a fish in the Murrindindi River, which was cooked on the open fire and enjoyed by a few.

On the tour of Toolangi Forest students looked at

Carpentry Students visit Kinglake

Fast Track Students Enjoy their Apollo Bay Getaway

As part of their Personal Development Skills subject this semester, Fast Track Students attended a 3 day camp in Apollo Bay. The students demonstrated fantastic communication and team work skills throughout the camp, participating in a large range of different activities.

The two highlight activities were sea kayaking and surfing. Students worked in pairs to kayak in the surf out to a seal colony, where the seals went right up to the kayaks, performing tricks and keeping the students very entertained. There were a couple of cap-sizes

however the whole group demonstrated fantastic motivation in their participation. The surfing lessons were a hit! Students (and staff!) showed determination and persistence over the 2 hours with everyone managing to master standing up on their boards and mastering the skills to varying degrees! Other activities included a beach BBQ, beach walks, going out for dinner and night time movies. Overall, students had a great time and it proved a worthwhile experience.

Kristy Simmons
PDS Coordinator



VETiS & Workshop Carpentry Update



VETiS students measuring up their Cubby Project

VETiS 1-2 Carpentry students are doing their First Aid Certificate. Two groups, morning and afternoon are building knowledge around health and safety over the course of 2 weeks.

Students have been learning specifically about: Emergency Responses, CPR, Anaphylaxis, and Wound Management.

With a high level of enthusiasm, students are participating well in a very interactive class.

VETiS 3-4 Carpentry students have begun the joinery for the subfloor section of their major project- a cubby house.

The cubby will be made from top quality materials and the project itself will simulate building a house on a smaller scale. The skills and techniques used to build the cubby house will directly mirror real building practices.

The students have been broken into 2 groups and each has nominated a foreman that will help to manage and organise the

procedures. They are keen and enthusiastic about making a project using high quality materials.

Scott Haselden

Technology & VETiS Teacher



VETiS students learning First Aid

“Students will now move onto the production of a hardwood storage box which uses more complex joining methods”

*–Nick Maxwell,
Technology Teacher*

Year 10 Workshop Projects

Year 10 students continue to be busy developing their skills to safely use tools and processes in the workshop. In Wood they have recently completed a pot holder that introduced them to hand planes and allowed them the opportunity to

use the Epilog laser for the first time. They will now move onto the production of a hardwood storage box which uses more complex joining methods and will enable them to use some basic power tools.

During Metal Workshop, Year 10 students have completed their Tool Caddy. They also created a CNC sticker on the Roland Vinyl Cutting Machine using the Cut Studio program and they continue to build on their ability to produce computer aided drawings in SolidWorks.

The students have begun producing some of their own hand tools in the way of a Sliding Bevel and Junior Hacksaw.

Nick Maxwell,

Technology Teacher



Tool Caddy Project



Sliding Bevel Project

Literacy News: ANZAC Service & the Shrine of Remembrance

On April 18th the combined Foundation 1 and 2 groups journeyed in to Melbourne to visit the Shrine of Remembrance on St. Kilda Road. This experience married up well with studies and activities completed in class leading up to planning for and assisting with delivery of the Harvester College ANZAC Day service.

Students enjoyed stunning weather throughout the day at the historic shrine and also participated in the Vietnam Experience program hosted by our guide for the day Louise. Some students had an opportunity to 'dress-up' in the clothes worn by soldiers in conflicts ranging from the First World War to the Vietnam conflict. Damon was very keen to get out of his

woollen jacket which he found to be very itchy!

Overall, a very enjoyable day that set the students up well for delivering the college ANZAC Day Service.

Terry Coombs

Literacy Teacher

"Students really enjoyed handling the uniforms soldiers wore in both the World Wars. It was definitely an eye-opener for most!"

*Literacy Coordinator,
Kami Gillick-Lewis*



Electrical News: Alek Maravic's Story

"When it comes to finding work, I looked for a lot of places to land a job by using the Internet, this is due to companies advertising apprenticeships online. I ensured that I had kept my resume professional and applied for an apprenticeship through Downers website. I had attended 3 interviews and was successful in obtaining an apprenticeship.

The work mainly involves helping the tradesman, this includes passing tools,

cleaning the area and helping with completing the task at hand. The job satisfaction is good, as you're always doing something and learning.

Studying at Harvester is the main reason as to why I was able to obtain an apprenticeship, as it helped prepare me for not only the schooling but also the practical side to the trade. I wouldn't have been as prepared if it wasn't for the program that Harvester had offered me.

Alek Maravic,

Harvester Graduate



Harvester Technical College graduate— Alek Maravic.

Numeracy Students Recreate the Bolte Bridge

Numeracy Engineering students have completed their Bolte Bridge Project whereby students had to research the original dimensions of the iconic Melbourne bridge and scale them down to a set ratio. At this stage, all students have successfully built a bridge with their partners at a scale of 1:1000. As the bridges continue to shape up and take form, students have the opportunity to discuss the challenges they face as well as the calculations that must be made in order to successfully recreate the

bridge to scale.

Students completed this as part of meeting their VCAL outcomes *Measurement* and *Design* and will move onto their next unit in coming weeks.

With the curriculum being designed in such a way that it promotes the engagement with mathematics in a range of contexts, students have the opportunity to truly

connect their own learning with very practical tasks.

Tamara Zerafa,

Numeracy Teacher



Engineering Students Use Cutting Edge Software to Design Products

VETiS Engineering students are busy producing a range of projects they have drawn using computer aided design software. The focus is on accuracy and high quality. These products include a sheet metal toolbox with locking lid and tray, a drill gauge and a centre punch. To manufacture these products the students have used large universal milling machines, gear head drill press, manual lathes with digital read out

and a range of hand tools and measuring equipment. The Engineering students are now using Autocad Fusion 360 to design parts for a working engine that they will build using the HAAS CNC mill centre. While the Engineering program requires a high level of commitment from the students, the 2016 class are well up to the challenge and working towards their goals. Awesome work so far Engineers!

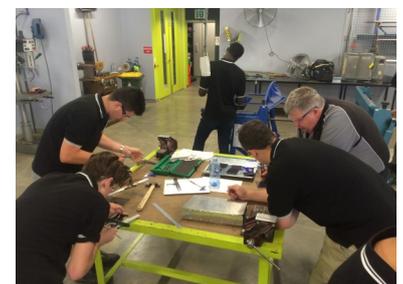
Year 10 Workshop – Metal

Year 10 students are continuing their introduction to Metal technologies. They have just completed their Tool Caddy using a range of sheet metal processes and equipment. Currently the Metal Technologies students are designing products using CAD software that will be produced using hand tools, drilling machines

and a manual milling machine. The Foundation students are working hard and producing great products. Well done girls and guys!

Janeden River,

Technology Teacher



Calendar of Events

June 2016

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1 Exam Revision	2 Exam Revision	3 Exam Revision	4	5
6 Exams	7 Exams	8 Exams	9 Exams	10 Exams Last day of Semester 2	11	12
13 Queen's Birthday Student Free	14 First day of Semester 2	15	16	17	18	19
20	21	22	23	24 Last Day of Term 2	25	26
27	28	29	30			

Parent Feedback Survey

A big thankyou to all parents for completing the parent feedback survey after the parent teacher interviews. The feedback received will be used to improve our teaching & learning here at HTC. As a thanks for completing the survey the Pace family have received 2 Village Cinema movie vouchers!



Carpentry News

Carpentry students have completed 4 of the units of competency for their certificate, these include: Carpentry Hand Tools, Carpentry Power Tools and Safe Use of Plant and selected Portable Power Tools.

All the students are developing the confidence

and skills required to use carpentry tools and are using and understanding the correct terminology associated with this trade.

The assessments for these units are: to construct a timber saw stool which students will use throughout the year on the bungalow project

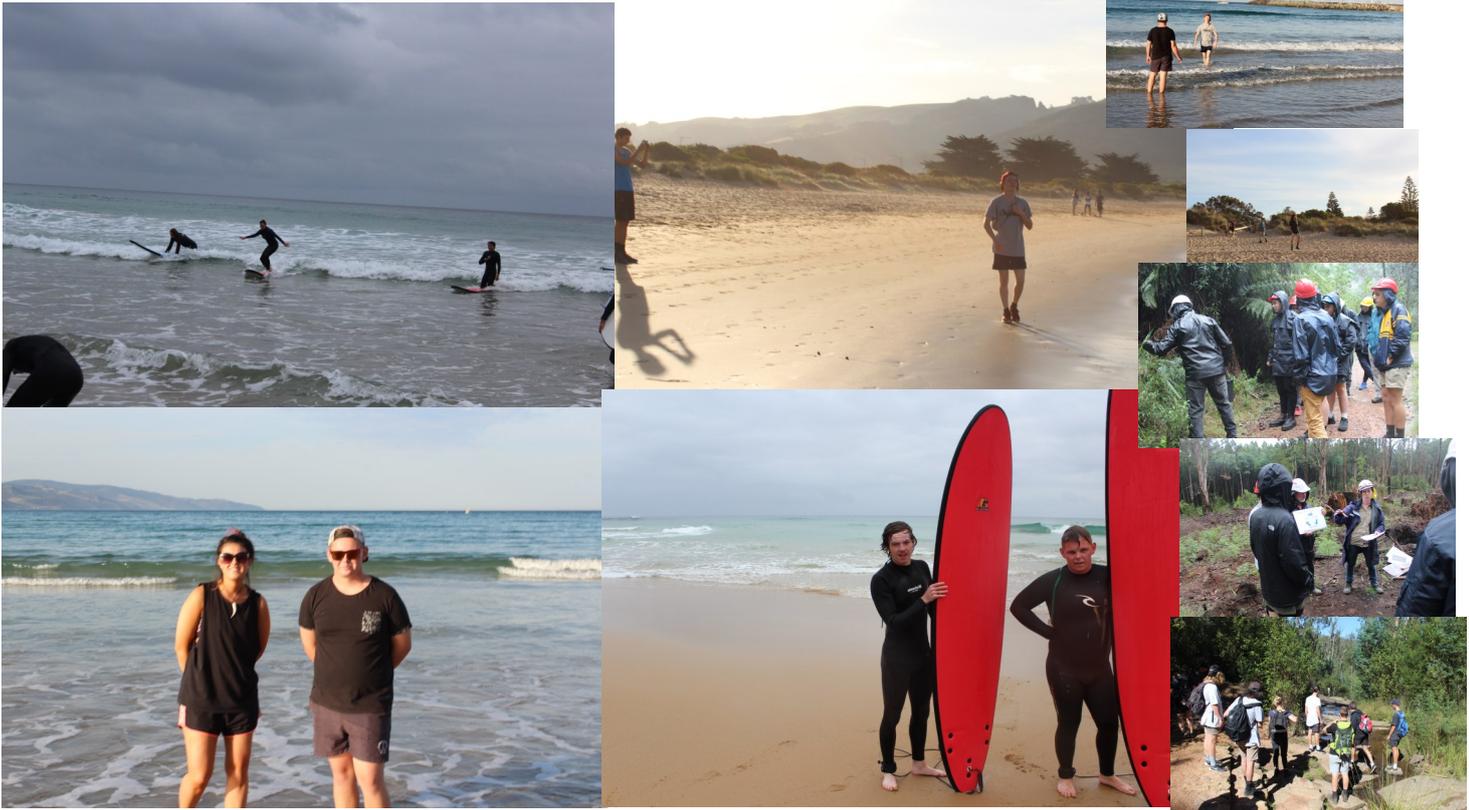
and construct a scale size external timber door frame, as well as fit a door and lock.

One student commented that this was the best year of school he has had, and we have only just started!

Paul McLay, Carpentry Teacher



Camp & Excursion Highlights



Year 12s Join Talks on Equity, Access & Closing the Gap

Year 12 Fast Track students— Shani Kenny & Courtney Brooking joined forces with selected student leaders from a range of Victorian schools to participate in serious discussions around equity and access in education. With Cathy Freeman at the helm of the Cathy Freeman Foundation Courtney & Shani had the once in a lifetime chance to share

their views with one of Australia's most inspiring women.

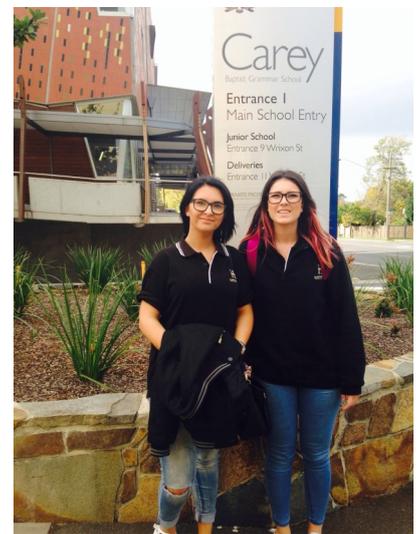
With a strong focus on bridging the gap between Indigenous and non-Indigenous Australians' schooling opportunities, Courtney & Shani proudly represented Harvester Technical College providing a strong voice for the young leaders of

tomorrow.

As we move rapidly towards the final weeks of the Fast Track program here at Harvester, I'd like to thank all Fast Track students for their efforts this year. Good luck with all your plans for the future!

Kami Gillick-Lewis

Literacy Coordinator



We're on the web!

www.harvestercollege.vic.edu.au

HARVESTER TECHNICAL COLLEGE