

## Tiny Homes Takes Off with a Range of Partnerships @ HTC

In the past month, Harvester Technical College has been visited by several parties wanting to contribute to or be part of the Tiny House @ Harvester Project. Starting with Darren and Lisa from Tiny House Australia introducing our students to the concept of tiny housing. Darren also announced to the assembly of carpenters, engineers, electricians and plumbers a design competition for all students to design a tiny house. The winning design will be built and displayed at the inaugural Tiny House Show in Bendigo in 2019.

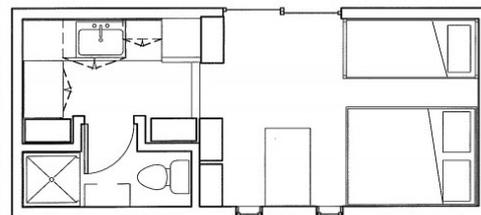
Darren and Lisa's visit was followed by a visit from Three Point Engineering. Charlie came to visit Harvester to take a tour and to discuss how Three Point Engineering can assist in the developing of the Tiny House @ Harvester Project. A return visit from Bowens Timber Innovations Department Andrew Healey Introduced Harvester staff to products such as Structured Insulated Panels (SIPs), prefinished sustainable cladding and other innovative products for the Tiny House @ Harvester Project. To help with the design process and to teach students about sustainable

design and building Susan Morris, Coordinator for Building Design and Sustainability at Box Hill Institute delivered a presentation to a select group of year 10 students and all year 11 and 12 students. This was followed by a session to learn about sketching which is the beginning of the visual design process.

During this last month, Harvester Technical College was visited by representatives from The Salvation Army. Lisa the Victorian acting CEO and Ben the Victorian housing manager, were suitably impressed with the work that our students are doing and the facilities in which we all work. The meeting was fruitful and they proposed that they and Harvester develop the Tiny House @ Harvester Project further. There is no visible evidence of the tiny house at the moment, but the background work and designs are beginning. Soon after the Structured Work Placement fortnight the construction will start. Below is a preliminary proposed drawing of a tiny house measuring 6800 long x 2700 wide x 2800 high. *Rucio Sosnowski, Carpentry Teacher/PDS Team Leader*



A proposed structure pitched for the Tiny Homes Project



A proposed floor plan for Tiny Homes

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## HTC Campus Principal's Report

As we approach the half way point of Term 3 and students are preparing for their second round of Structured Workplace Learning, I would like to take this opportunity to wish all students all the best for the next few weeks at work. As students near the end of their courses, their skills and knowledge is at a greater level and it is during this second placement that often sees some of our senior students secure an apprenticeship to move into at the end of the year.

I would also like to thank all the parents who attended the Parent Teacher and Exhibition Evening on the 7<sup>th</sup> August for coming in to look at all student works produced this year. It is great to see students proudly showing their parents some of the projects they have completed and describe some of the skills they have been able to master in their programs so far. A very big thank you also to all the staff involved in the setting up the visual displays and presentations of student work, it was a big effort by all to

ensure everything was set up for the evening.

It is also the time of year where year 10 and 11 students returning to Harvester next year complete their selections for their 2019 subjects. If you have not yet put in your selections, please ensure you do so as soon as possible as external applicants will start being enrolled and spaces in our courses will fill quickly. If you have any issues selecting your 2019 subjects or accessing Xuno, or simply have any questions on course options for next year please contact the college.

*Daniel Monigatti,*

**Campus Principal**



## Waubra Windfarm Fires up Discussions Around Sustainable Practices

Students from Integrated Electro Technology visited the Waubra Wind Farm out past Ballarat on Monday 30<sup>th</sup> July. Unlike the previous day when damaging winds and hail wreaked havoc across the region, particularly in nearby Ballarat, conditions were more settled for our visit. The wind was pushing the turbines at approximately one third capacity, hard enough for any of the wind turbines to be spinning and the wind chill factor making it feel like it was about 5 degrees. Cameron from the Waubra Wind Farm spoke at length about the wind farm control-centre, future work in the wind turbine industry and the role of alternative energy in a low-carbon Australia. An opportunity to ask questions allowed students to also delve into the social impacts of the wind farm in the Waubra region. A variety of technologies were also discussed and observed in operation. The visit concluded with a direct encounter

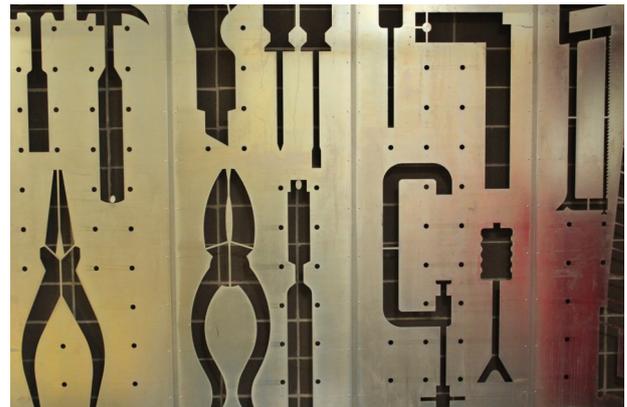
with a very tall wind turbine in a very cold wind!  
Terry Coombs, **Lit/PDS Teacher**



Electrical students learn about sustainability at the Waubra Windfarm

## Workshop News

Tech Ten are well into their foray into designing with Plastics. This semester, Tech Ten students designed in CAD and produced projects using skills they have developed across the year so far with an emphasis on problem solving, design and aesthetic value. The first project is an acrylic photo frame with a mirrored laser engraved image. The next project is an Acrylic Light Display using a USB powered light source to enhance and accentuate their designs. Keep up the great work guys! Janeden River, **Workshop Teacher**



Workshop students showcase their Plastics projects in Tech 10

## Engineering Students Visit Bendigo to Explore Engineering through Time

On Wednesday June 20 the Engineering class dragged themselves out of bed early to arrive at school by 8am for our camp to Bendigo. With Aaron driving the bus at snail's pace, we arrived a little late in Bendigo for our first tour at the Central Deborah Gold Mine.

Led by our tour guide Nathan we were given our miners hats and lights and we set about making our way 61 meters in to the mine shaft. We all piled into a lift for the minute and a half drop into the earth's core. When we arrived deep in the mine we were given an authentic experience of what life was like for miners from the 1850's and how mining has changed into the 21<sup>st</sup> century.

After 1 hour in the mine and 350 meters of tunnel we resurfaced much to the delight of all students who had been without mobile phone reception for what seemed like an eternity. It was now time for a quick break in which some of us ate our lunch in the confines of the gold mine and others ducked down to the famous Beechworth Bakery for a Ned Kelly pie and an assortment of pastries.

Our second tour for the day was a ride on the old time Bendigo tram where our eccentric tram driver who had a story about everything and everyone who had ever lived in Bendigo treated us to a full history of the city. Much to the delight of all we had now finished our official tours for the day and it was time to head to the Bendigo Big Four to settle in for the night.

After scoping out the sleeping arrangements, most of us headed to the recreational area for a spot of mini golf and an acrobat-style display from Justin on the giant trampoline. We'd now worked up a thirst and appetite and despite calls for a pot and palmy our teachers marched us to the mess hall and forced us to cook our own dinner. Mitchell Green and Jordan Spencer led the way, rallying the troops and getting hamburgers with the lot dished up to the masses.

With dinner and washing up complete it was time for a lazy night in our cabins, electric blankets and heaters were turned up full boar and shenanigans were kept to a minimum so as not to disturb Aaron and Justin who were enjoying the warm comfort of the cabin close by.

We were awoken at 7am the next day in order to cook our own breakfast and get ready for the final tour to the Bendigo Joss House. Our guide was a very enthusiastic Michael who enlightened us on the value of the Buddhist temple to the Chinese people during the Gold Rush and also told us about the nature of Buddhism and how the Chinese placed a big emphasis on Karma.

Karma kicked in not long after we left the Joss House as we ended up back at the Beechworth Bakery for a quick lunch on our way home. As we gutted ourselves once again on the amazing pies, sausage rolls and pastries we were able to reflect on what had been a fantastic camp had by all. Thanks must go to all of those who attended the camp and also to Aaron and Justin for being the coolest teachers at Harvester Technical College.

*Justin Nelson,  
Engineering  
Literacy/PDS  
Teacher*



## Numeracy News

Tech Ten students are finishing up their units on Money, Time and Location in the Numeracy classrooms. All students have been looking at time zones, flight paths and calculating flight durations of overseas flights using the website [www.flightradar24.com](http://www.flightradar24.com).

This website allows you to see almost every commercial flight happening at this very moment in time making the data very real and relevant for students to analyse.

Our Intermediate and Senior students have just completed their unit on Location, looking at local maps and maps of national parks and deciphering key features of legends and keys such as terminology and symbols.

Students are now starting their 'Financial Numeracy Unit' looking at simple & compound interest, with Seniors looking at tax brackets and how to calculate income tax.

*Tamara Zerafa,*

**Numeracy Team Leader**

## Monthly Maths Brain Teaser Challenge:

What occurs twice in a week, once in a year but never in a day?

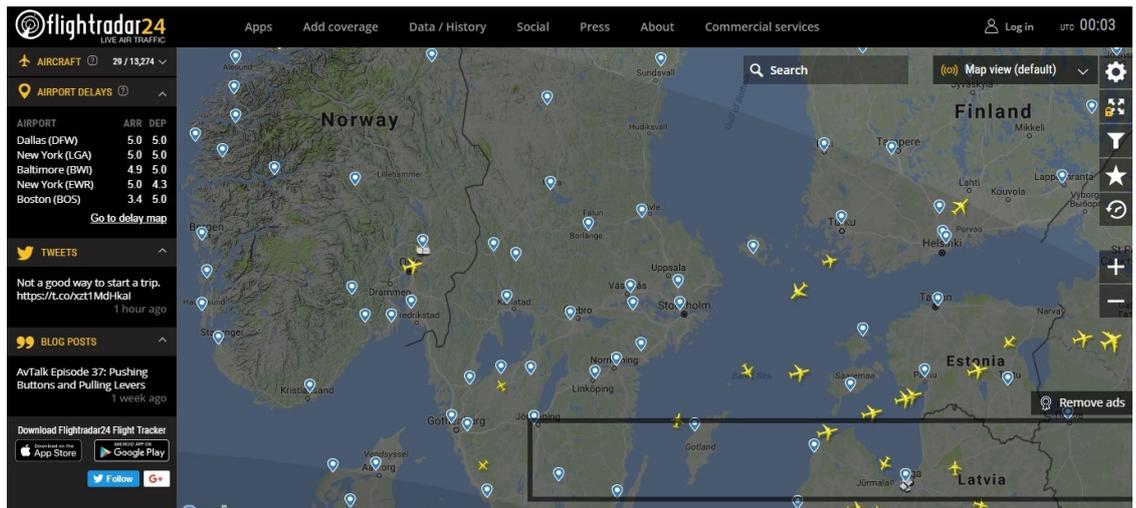
**Last week's solution:**

*Octagon = 6*

*Square = 4*

*Triangle = 2*

*Circle = 1*



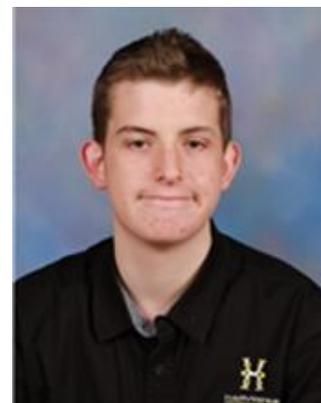
Students are looking at flight paths using live data streamed online.

## Student of the Month

Mitchell Fawcett has made outstanding progress in Engineering Studies this year. He has excelled at most tasks allocated to him and was the first student ever in the history of Harvester technical College to receive 100% in the engineering exam. Mitchell is a tenacious student and is always willing to help others in need. Mitchell has a bright future in engineering should he choose to continue in this path. The College is proud to award Mitchell the 'Student of the Month Award' this

month for his outstanding scholarly efforts.

Well done Mitchell.



**Student of the Month:**

Mitchell Fawcett

## Social Media Highlights

Harvester Technical College had the privilege of hosting a guest speaker- Susan Morris from Box Hill Institute on July 27th. Susan educated our students on design ideas for the Tiny Homes Project which is in its preliminary stages of planning for 2018.

As our Social Media Coordinator– Tamara Zerafa knows, the more press coverage we share of this project online the more likely it will gain traction in the community in the future, so jump on board our HTC Instagram and Facebook pages and start liking our regular Tiny Homes posts!

**Facebook:** <http://www.facebook.com/HarvesterTechnicalCollege>

**Instagram:** <http://Instagram.com/>



**Jump online & follow the HTC action!**

## Assembly Highlights

As part of the celebration of student achievement that takes place at Harvester, our monthly student awards are announced with great pride. These are our most recent accolades for student achievement:

### Numeracy Award for July Assembly

Dom Bacic has been well behaved, respectful and strives to do his very best in every lesson. He can be commended on completing all of his given tasks through his own self-determination. He has shown outstanding maturity and perseverance when completing all the tasks given to him. Well done Dom.

### Literacy Award for July Assembly

Darcy McInerney has been producing written work at a consistently high level this semester. His overall writing skills show a high level of competence as he continues to complete set work on time. Darcy is always respectful in class and contributes well to the learning environment. Well done Darcy.

### Attendance Award for July Assembly

This month's attendance award is given to Jeremy Grecic. Well done Jeremy!

## Tech 10 Literacy/PDS Students Go on 'World's Most Liveable City Tour'

Tech 10 students explored the topic of homelessness on "The World's Most Liveable City Tour" hosted by Urban Seed.

Everyone enjoyed a tour of the city's iconic graffiti laneways before commencing a detailed exploration of Melbourne's exclusive Collin's Street, which is often home to the homeless.

Overall, a superb effort from all teachers and students involved on the day. We hope the learning that took place will guide students in any involvement in the Tiny Homes Project later down the track.



## Derimut Gym Project Inspires Fitness & Health Program

On Wednesday August 1 HTC Carpentry 1, Carpentry 2 and Engineering students embarked on an excursion to the Derrimut Gym to begin the practical component of our Literacy/PDS community project. In the weeks leading up to the excursion we researched the benefits of increased health and fitness and began designing a gym program for one of our classmates.

Upon arrival at the gym, we were given a few minutes to warm up before being thrown straight into a "body pump" workout with our instructor and fitness fanatic 'Jack'. The forty-five minute session was very fast paced with students and teachers lifting a barbell and light weights in order to increase strength and aerobic capacity.

After completing our fitness class we relocated to the huge gym to begin familiarising ourselves with the vast range of free weights and machines. Most of us were starting to fatigue and after a one hour session our

teachers Terry, Anthony and Justin decided that we had done enough to warrant a well-earned break at the shopping centre next door where we replenished lost fluids and built up our strength for the trip home by loading up on carbohydrates (junk food).

All in all it was a very beneficial day that gave us an insight into the training requirements needed to stay fit and healthy. We are already looking forward to our next session with Jack in a few weeks time where we will once again spend time in the gym and also participate in a high intensity spin class designed to improve our endurance.

Thanks to our slave driving teachers Anthony, Terry and Justin for organising our excursion and pushing us to the limit of exhaustion.

*Justin Nelson, Lit/PDS/WRS Teacher*

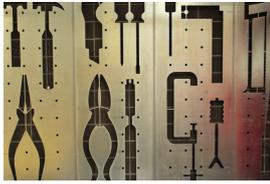


## Harvester Film Shoot Launches

Harvester Technical College has embarked on another marketing project for 2018 with the launch of a promotional video for the College. The first stages of the production took place on Monday the 6th when a film crew from *Poached Egg Pictures* led teachers and students through a full day of filming.

A superb job from all involved, well done. We look forward to seeing the next phase of the project!





WE WARMLY INVITE  
YOU TO ATTEND OUR

# INFORMATION EVENINGS

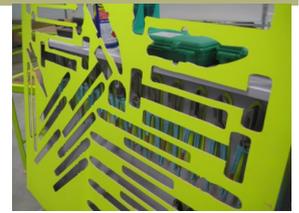
FOR STUDENTS  
COMMENCING IN 2019

Our Information Evenings will be held on the following dates throughout 2018:

- Tuesday 8th May
- Tuesday 12th June
- Tuesday 24th July
- Tuesday 14th August
- Tuesday 16th October
- Tuesday 20th November

The information sessions are an excellent opportunity to meet the Principal and teachers and learn more about:

- ▶ Curriculum options and Career Pathways



## Key Calendar Dates

**Work Placement Block 2: August 13th-24th**

**Trade Taster Day: August 15th**

**Salvation Army Excursion Electro: August 27th**

**Salvation Army Excursion Carpentry: August 28th & 29th**

## 2018 College Gold Sponsors



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[www.harvestercollege.vic.edu.au](http://www.harvestercollege.vic.edu.au)