

Toyota Promotes Drones Technology through STEM & HTC

Harvester Technical College has been developing an incredible STEM centred Drone technology project in collaboration with Toyota. The Harvester team have been working closely with Sunshine North Primary School to deliver an innovative learning experience using drone technology. Harvester staff members– Daniel Monigatti and Janeden River have also delivered a STEM PD to all staff at the Sunshine College precinct engaging them in the ideas and concepts that underpin this exciting project. The HTC crew have also been working with the grade 5 and 6 teachers to make the program suitable for primary aged students who have been delivering our program over the last couple of weeks and will be coming out to Harvester with students next week for a flying session. This truly immersive project engages young people with the underlying principles of science, technology, engineering and mathematics in a truly integrated manner. We look forward to up and coming developments!



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Harvester Technical College Principal's Report

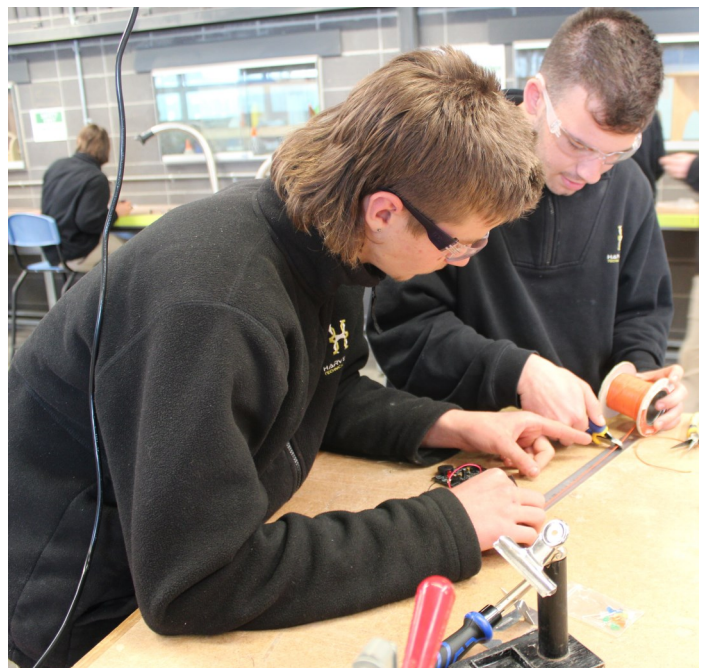
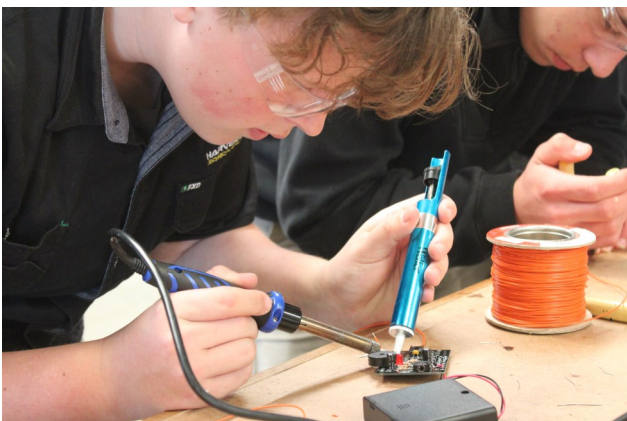
HTC Campus Principal's Report

Welcome to Term 4. Our community is gearing up for the mad dash to the end of the year which is only a few very busy weeks away. Traditionally this is the time of the year that our students recognise that they need to get very focused. With support from our staff and their families, they are driving hard to get all their work commitments completed to give themselves their best chance of either securing that apprenticeship they are seeking or confirming their preferred course in the next year level. Walking around the College at lunchtimes and after school, I am impressed by the number of students already taking up the opportunity offered by staff to provide catch up time and extra support to maximise the successful outcomes for our students. I strongly encourage all students to seek out assistance over the remaining weeks to ensure that they complete the year on the highest note.

2020 is shaping up to be a busy year for the College. I am pleased to report that places are filling very quickly in both our Year 10 and Intermediate and Senior programs. We are tracking for a very full house in 2020. Trudy Whiteside and the Recruitment Team have been very busy processing the large volume of continuing and new applicants. Continuing students will receive confirmation of their course choices for next year shortly. Due to the large number of applicants for the Fast Track program, it was necessary for the first time, to create an interview process to select students for this specialised program. Selection was based on academic and workshop performance, positive contribution in

class and to the community and general behaviour. The staff involved in the interview process were very impressed with the quality of the presentations completed by most applicants.

Graduation and Awards Night is fast approaching. This is my favourite event of the year. I am looking forward to celebrating with our families, support people, our staff and of course our wonderful students, particularly the graduating students. I strongly encourage all completing students, including our Fast Trackers, to join us on the night to celebrate the outstanding achievements of this year's graduates and award winners. As in previous years, Jacquie Fellows and her team are working hard to secure significant prizes for our high achieving and most improved students. We are privileged to enjoy generous support from a wide range of our employers and suppliers who have supported our awards night over the years. This support is gratefully appreciated. I look forward to catching up with you and your family on the night.



Introduction of a Homework Club to Support Student Learning

Harvester is proud to announce the introduction of a 'Homework Club' to assist students with their work as we reach the end of the year. Students requiring a calm and quiet space to complete their final work tasks and major projects are invited to attend the Tuesday afternoon Homework Club sessions where they can receive assistance from teachers in the E classrooms from 2:40pm-3:30pm.

Also, a friendly reminder to all students and families of students that Repair Shop is an integral part of our integrated support systems here at Harvester whereby students requiring additional support are given 1 on 1 support from either Numeracy or Literacy support staff scheduled on every

Tuesday afternoon. This is a program that some students are enrolled into and is run alongside the Homework Club as of Tuesday October 22nd. All students are welcome to attend, particularly those needing guided tuition and support in the final weeks of Term 4.

Kami Gillick-Lewis, Literacy Team Leader



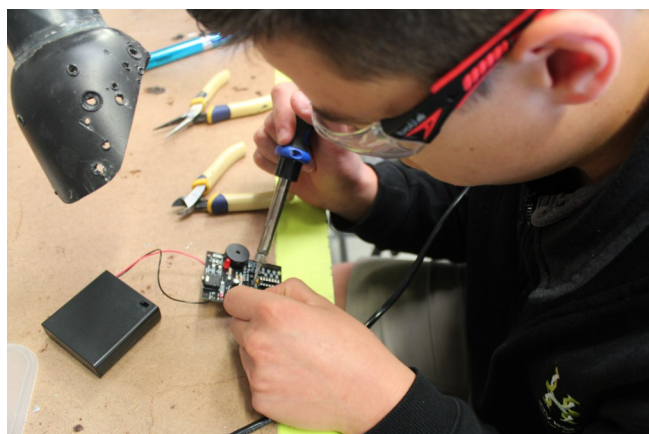
Soldering Takes Centre Stage in Tech 10 Workshop Space

This week Tech Ten 3 soldered components of their LED Tower Project, a major workshop project which explores soldering skills in the technology discipline.

Once the tower is assembled, students will then embark on learning how to program their light tower to emit different lighting patterns and audio arrangements.

Integral to their Electro Technology studies is the ongoing development and refinement of workshop skills in the core areas of electronics and programming. The LED Tower Project enables year 10 Workshop students to truly integrate the theory they learn in the classroom into their practical applications in the workshop.

Teacher Darren James is at the helm of the LED Project with TT3 while Electro Tech teacher– Harry Melzer is assisting Darren and the students with their practical skills in the Workshop space on a weekly basis. Well done TT3 for mastering the art of soldering!



Harvester Technical College General News

New Welding Bays for Plumbing Department

At the end of term 3, and with the great assistance from Rucio and Steve from the Carpentry department, 4 new welding bays were constructed in the Plumbing department workshop. This new addition to the workshop will aid the Certificate II pre-apprentice students in developing their electric welding, oxy/acetylene welding and cutting skills, in a bright safe environment. When the students returned from their term break, they were able to use their sheet metal skills to measure and construct all of the required sheet metal flashings, which they were then able to fit to finish off the walls of the build. The individual bays ensure the learner privacy to concentrate on what can be difficult skill's to develop and become competent with. The oxy/

acet silver brazing is a highly required skill for plumbers to have, it is used when copper pipe and fittings are being installed to supply portable drinking water or gas both natural or LPG, to any fixture or appliance in domestic housing, commercial or industrial buildings.

Darren James, Plumbing Teacher



Plumbing Fundraiser: Supporting Children in Need

The Plumbing students as part of their Personal Development Skills course have engaged in a community project that this year involved the Royal Children's Hospital. It was a very long process from getting permission from the hospital to be an official partner to organising groups and individual responsibilities. The students over a month had set themselves a target of raising \$500 so that they could purchase toys to give to the children at the hospital as well as include our school community and families in the fundraising effort. After many BBQ's and cake stalls the students managed to raise a staggering \$625. The students were then under the strict guideline of the hospitals terms and conditions had an excursion to Highpoint where they used their funds to purchase the many toys that you can see in the picture above. As

well as the fundraising part of the task they also had to look at the facilities, departments and professionals that work at the hospital caring for the thousands of children that are admitted there each year. I would like to thank them for their efforts and the families that also donated towards this worthy cause.

Jacqueline Fellows, Plumbing PDS/Lit Teacher



Literacy News: Reading Comprehension Skills a Key Focus in 2019

Harvester Technical College has a robust Literacy program that caters to the needs of all of our students. With a team of Literacy teachers working hard to deliver highly engaging and relevant content to all students, it's no surprise our overall Literacy comprehension scores have risen in 2019.

With the introduction of a Reading Room this year, students can now enjoy more targeted and focused reading sessions in a quiet and relaxed learning space. In addition, various Literacy classes have been exploring a wide range of texts and text types ensuring reading is

becoming a strong focus of many VCAL Literacy classes in 2019. With the ongoing development of new curriculum being devised for 2020, students at Harvester can look forward to pushing their own comprehension skills further as they join forces with other 21st Century learners.

Kami Gillick-Lewis, Literacy



Jesse Wittmann & Jacob Martin from TT3 read 'The Curious Incident of the Dog in the Night-Time' to the rest of the class in the Reading Room as part of a reading comprehension lesson

Numeracy News: 2019 Culminates with Growth & Expansion

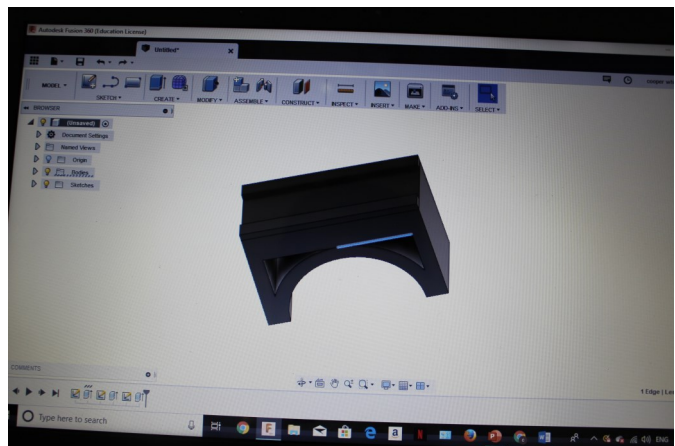
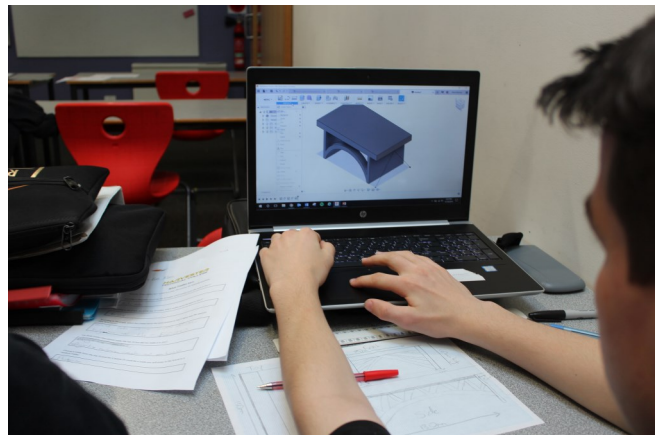
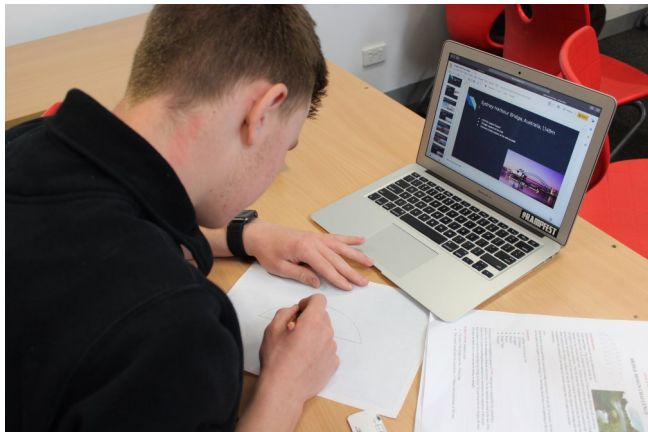
We've reached the end of our curriculum year in Numeracy and we have seen many students develop their skills in all facets of VCAL Numeracy.

With the high demands of the Numeracy curriculum, students are required to demonstrate their knowledge and understanding of a range of mathematical terms and concepts in a myriad of ways. Throughout Term 4, the Numeracy team have designed all final projects to try to encompass as many elements as possible to help embed what has been taught throughout 2019.

Our Intermediate and Senior students are currently finishing off the year with their Problem Solving Unit and our Tech-10 students are in the process of designing a bridge which we will be testing for accuracy in dimensions and strength. The students are required to research different types of single-span bridges and then as a team

design their own bridge in Fusion 360, meeting a series of criteria relevant to the Numeracy curriculum. Students will then be 3D printing their designs, which will then later be tested for strength. With the culmination of a year's worth of work coming to fruition in this final term, it's great to see the Numeracy program evolve and expand.

Tamara Zerafa, Numeracy Team Leader



Last Month's Maths Brain Teaser Challenge:

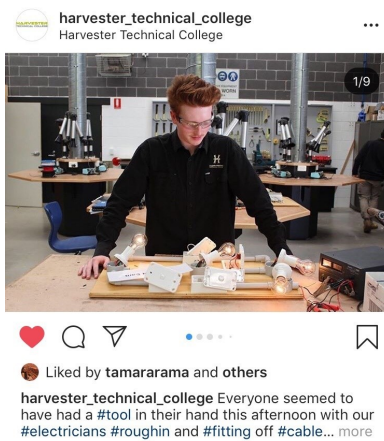
$$x = 100\text{cm}$$

This Month's Challenge:

Find the total discount which is equivalent to a discount of 25% followed by a 20% discount?

Social Media Highlights

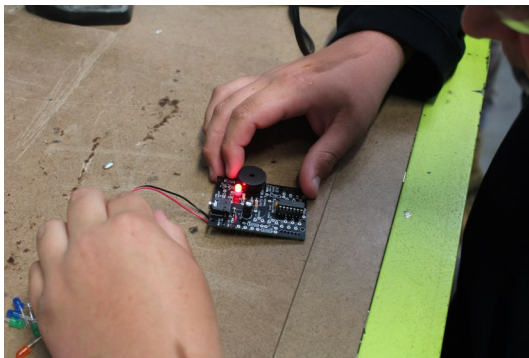
A social media highlight this month has been the Electro-Technology class launching themselves into the Workshop space and testing their own skills and competencies on the tools. Sam Warren is featured in this October post alongside one of his Electro workshop tasks. Follow us on social media to check out more tradie highlights!



Student Apprenticeship Interviews

This week we had both AGA and Ai Group, both Group Training Organisations, visit Harvester Technical College. They held sessions informing the students about opportunities of apprenticeships they offer and conducting interviews. Our students performed extremely well with many being offered an apprenticeship and the remainder being told that they are great candidates and will be offered an apprenticeship upon gaining their driver's licence. Both agencies were extremely impressed with our cohort of students and their skills, work ethic and experience stating that Harvester students are a level above students from other schools. Well done to all students, a great culmination for your efforts at Harvester.

Karen Riley, Careers & SWL Co-ordinator



Sports News: Roller Hockey Sees Students get their Skates On

Tech 10 One and Two students recently visited the local skating rink to try their hand at roller skating. With many students starting off with a shaky start the majority of students took to the rink with grace and confidence. As part of the Sport program, students at HTC have the opportunity to try a wide variety of sports. Well done to those who attended the field trip, it was an excellent team bonding experience.

Anthony Raffoul, Sports Coordinator



Trade News: Carpentry Students Build Tiny Homes

VET – Carpentry Students Update

The Tiny Homes Project has started. Our Carpentry students under the direction of Daniel Monigatti in Personal Development Skills have been busy preparing, cutting and nailing together floor joists that make up the sub-floor for the structure, marking out and cutting wall plates and even starting to nail some walls together. The students are doing this work as they are completing their final modules in Carpentry, some of which include fitting lining boards, weather boards, cutting and scribing skirting and scotia as well as learning how to fit a door locks. All of our Carpentry students have recently completed the introduction to basic scaffolding module that saw them erect and dismantle a Tower Scaffold as well as Quick Stage scaffolding several times. These scaffold tasks assist students in learning important industry specific language such as terms including: Transoms, Standards, Ledgers and Tie bars, as well as using levels, tape measures and string lines to ensure their work was accurate. There is a short video of their work on our Instagram page, check it out!

Steven Menhennet, Carpentry Teacher





Child Safety

Our community values of **Growth, Relationships, Learning** and **Wellbeing** are underpinned by an understanding that **Child Safety** is a paramount responsibility of the school community. Harvester Technical College has a number of guiding **policies** regarding **Child Safety** on our web site located at www.sunshine.vic.edu.au. Please take some time to make yourself aware of these and contact the school should you have any concerns regarding **Child Safety**.

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www.harvestercollege.vic.edu.au