

TOP DESIGNS 2026

Exhibitor Statements

Anna Barbara

Methodist Ladies' College, Kew
Wurundjeri Woi Wurrung Country

Fish Soup

Surrealist comedy, 3 min 45 sec

Fish Soup follows the journey of a fish named Newton who becomes thirsty during class and tries to find ways to quench this. With a hand-drawn animation that illustrates the desperation thirst can bring, *Fish Soup* invites the audience to accompany Newton on his unique path of madness as he attempts to find water.

The depiction of Newton's journey creates an emotional piece with unsettling absurdist comedy, encouraging audiences to relate to the character and recognise their own struggles in a desperate circumstance. Newton's personal struggle is amplified through surrealism to hook the audience's emotion so that they will identify with this character's story.

Lillian Boyd

Notre Dame College, Shepparton
Yorta Yorta Country

Alley

Drama, 1 min 47 sec

Set in a modern-day city where class division is extremely prominent, *Alley* tells the story of a young woman's first night being homeless after being kicked out of her home. She is represented by a cat. Created to raise awareness about the rising number of homeless young people, the film focuses on body language and facial expression to highlight some of the struggles homeless people face in society today.

The filmmaker aims to raise awareness of the circumstances that may force someone onto the streets. Using a cat to represent the young woman in this film encourages audience members to feel sympathy for a person that they may not usually care about.

Zoe Bryant

Footscray High School, Footscray
Wurundjeri Woi Wurrung Country

Connecting Materials

Surrealist comedy, 5 min 14 sec

An unlikely friendship is formed between two creatures when they are thrown into a bizarre journey through different realities. Each world brings a different shape, substance and scenario, creating a surreal yet endearing atmosphere with the dynamic technique of stop motion animation.

This surrealist, comedic, stop motion, animated short film uses a range of materials to tell a story about wordless communication and the value of experience. The filmmaker has created a narrative of protagonists moving from one reality to the next, encountering problems along the way, using absurd stylistic and narrative conventions.

Henry Ferguson

Bass Coast College, Wonthaggi
Boon Wurrung Bunurong Country

In the Trees

Horror, 3 min

When a young girl goes missing, a police officer is called into the forest to search for her. However, night has fallen, and the forest has no plans to let the officer go home. Beckoned forward, he is at the whim of a dark stalking presence, which is more than happy to play with its food.

The filmmaker's intention was to create a stop motion, animated horror film that is both scary and thrilling, and to increase tension by keeping the audience in the dark and using horror techniques such as ominous music and low-key lighting.

Jason Xu

Trinity Grammar School, Kew
Wurundjeri Woi Wurrung Country

Spaceslinger

Digital game, Fantasy

Spaceslinger is a convergent media product that includes a comic, digital game that employs a niche 'drawing' mechanic. The comic serves to establish the overarching narrative, while the engaging levels that adopt this drawing mechanic test player intuition, bringing out classic genres of puzzle and adventure. The narrative follows Elias, venturing through various stages to ultimately take down the final boss.

Soumil Aggarwal

Beaconhills College, Berwick

Boon Wurrung Bunurong Country

LUCKLESS

Comedy, 8 min

LUCKLESS is a short comedy about a young man on his way to a date. His simple journey quickly unravels when everything that could go wrong, does go wrong. Set in suburban Melbourne, this film offers a wholesome yet humorous glimpse into misfortune and resilience, inviting audiences to laugh at the chaos of the young man's adventure.

The purpose of this film to is entertain; it does this with humour and a feel-good ending. Its style is a clean, modern aesthetic, with select sequences that are overly dramatised.

Dylan Burrows

Prahran High School, Windsor

Wurundjeri Woi Wurrung Country

Mr. Bop

Music video, 6 min

Mr. Bop is a comedic short film about legacy, identity and ageing, told through breakdancing and nostalgia. The film follows a former teenage breakdancer who, 40 years later, is dragged back into the spotlight by his old manager and lifelong friend, blending heartfelt character moments with stylised, retro visuals and a bold comedic tone.

Loosely adapted from a story the filmmaker's dad insists is true, it draws on the energy of 1980s dance culture and the absurdity of old rivalries. *Mr. Bop* explores nostalgia, identity, and the struggle of holding onto the past through humour and heart.

Thomas Corboy

Sacred Heart College, Kyneton

Taungurung Daung Wurrung Country

A Disagreement

Comedy, Action, 9 min

Two brothers fight over who gets to eat the last cookie in the jar. What begins as a simple argument about who deserves the final bite escalates into a showdown that grows to absurd extremes. With many references to classic action films and popular culture, *A Disagreement* aims to highlight the futile nature of conflict through petty sibling rivalry.

The film parodies classic action films and YouTube fight sketches, featuring an exaggerated, over-the-top and escalating conflict between two brothers as they fight over the last cookie in the jar. It combines physical comedy with fast-paced action choreography, using absurdity to highlight the pettiness of sibling rivalry and the futility of all conflict.

Dari Justin

St Michael's Grammar School, St Kilda
Boon Wurrung Bunurong Country

Grow Up

Coming-of-age, 8 min

When 12-year-old Kai's older brother Quinn loses interest in their imaginary fantasy games, Kai struggles to accept the growing distance between himself and his sibling. As he tries to imitate Quinn's 'grown up' teenage world – including his relationship with his girlfriend – Kai finds himself caught between childhood and adolescence. Ultimately, *Grow Up* is less about leaving childhood behind and more about reflecting on why we feel pressured to 'mature' ... and what gets lost in the process.

Grow Up explores the emotional rift between Kai and his older brother Quinn as Kai struggles with the imaginative nature of childhood and the pressure to meet the changing demands of adolescence. At its core, the film focuses on themes of childhood wonder, sibling disconnect, friendship, and the pressure to 'mature' at the cost of imaginative play and unrestrained youthful creativity.

Victoria Kammel

Nazareth College, Noble Park North
Boon Wurrung Bunurong Country

BlackBoxWarrior - OKULTRA

Music video, 6 min

In *BlackBoxWarrior*, a persistent and precarious protagonist finds themselves in the midst of a tantalising tale. Meticulously puppeteered by an unnamed figure, contorted and conformed, the protagonist is lost in their own dwindling mind as the stakes rise around them. *BlackBoxWarrior* tells a tale of individuality, confusion, and forced conformity in a society that insists on their citizens fitting the 'norm'.

The filmmaker's intention was to create a music video for the song 'BlackBoxWarrior - OKULTRA' by Will Wood, which fits alongside his other works and music videos, utilising coloured lighting, animation and fast-paced editing to focus on themes of conformity and being 'one with the machine'.

Joshua McMillan

Donvale Christian College, Donvale
Wurundjeri Woi Wurrung Country

Willowshade

Horror, Drama, 8 min

Set in an interrogation room, *Willowshade* follows a detective and prisoner through a tense psychological battle to uncover the whereabouts of a missing child. Truth, control and power constantly shift and alter.

Willowshade explores how guilt can reshape identity and draws viewers into the characters' increasingly unstable emotional states, encouraging them to question their own ideas of what lies beneath the surface.

Andrew Nguyen

Balwyn High School, Balwyn North
Wurundjeri Woi Wurrung Country

Steady, As She Goes

Horror, 10 min

A teenage boy scours the internet to find answers to a mysterious phenomenon after he himself experiences disturbing and unsettling symptoms. As the symptoms worsen, the boy finds a digital trail left by another afflicted individual, which suggests that he is not alone.

Steady, As She Goes is heavily influenced both visually and thematically by the work of Jane Schoenbrun and explores themes of dysphoria, online existence and mental health, through the elements of mixed-media and the psychological horror genre.

Claudio Rienzo

Ashwood High School, Ashwood
Wurundjeri Woi Wurrung Country

Final Cut

Horror, 6 min

A mundane evening of watching television has erupted into a supernatural jigsaw for lonely little Agnes, as she navigates through the masked strangers' film world. Emulating the metafictional elements of Billy Wilder's *Sunset Boulevard* and David Lynch's uncanny cinematography, *Final Cut* offers a metaphorical narrative of the filmmaking process, conveying the ethical horror of obsession and perfection in achieving the final cut.

Final Cut follows the common conventions of horror, with a greater degree of symbolism to construct a commentary on the genre, and as an allegory of the terror of the production process. With this concept in mind, the film exaggerates noticeable codes such as lighting and sound, embedding a visual style inspired by the Lynchian look, and storytelling through saturated, coloured lighting and tense sound scores – all with the intention of creating suspense.

Sophie Rosenthal

Trinity Grammar School, Kew

Wurundjeri Woi Wurrung Country

Siren Song

Music video, 4 min

Set in the surreal landscape of a teenage girl's mind, *Siren Song* navigates her distorted reality as shaped by Generalised Anxiety Disorder. Designed as a subjective, immersive experience, the piece ultimately gestures toward recognition, acceptance and seeking help.

Siren Song conveys what words cannot – a peek into the clouded, complicated, messy mind of a teenage girl with anxiety. It aims to visually communicate this overwhelming, sometimes frightening experience. The filmmaker's goal was to communicate the ultimate message of the video – embrace the unwanted and seek help along the way.

Jake Symes

Padua College, Mornington

Boon Wurrung Bunurong Country

Embers of the past

Documentary, Poetic, 5 min

Filmed in 2025 across the landscapes of Lutruwita/Tasmania, *Embers of the Past* follows an individual moving through the remnants of a fading culture. Shaped by traces of memory and loss, the film adopts a reflective, speculative tone, offering only fragments rather than clear answers. Through sparse imagery and quiet observation, it invites viewers to consider what endures when time has stripped everything away, and how small sparks of remembrance continue to shape our collective understanding.

Embers of the past is a deeply personal and culturally respectful film that uses metaphor, voiceover and natural imagery to honour Palawa heritage. Created through immersive cinematography and ambient sound design, it reflects themes of identity, resilience, and ancestral connection.

VCE Media Film

Eleftherios Tsitsiras

Parkdale Secondary College, Mordialloc
Boon Wurrung Bunurong Country

Crossroads

Drama, Thriller, 6 min

Two teenage brothers from a struggling home take a risky job with the local mafia to earn money for their mother. The job quickly spirals into a dangerous test of loyalty, fear and survival, in a world of betrayal and shifting power.

Crossroads was inspired by the rise of youth crime in Australia, but goes beyond headlines and examines the human factors that are often overlooked, including poverty, broken homes, and the pressure to provide. Through the story of two teenage brothers drawn into small-time crime, *Crossroads* shows how survival and loyalty clash under harsh circumstances.

William Donaldson

Kardinia International College, Bell Post Hill
Wadawurrung Country

Escape

Adobe portfolio

My intention for this photography series was to underscore the synergy between escaping societal pressures and pursuing personal fulfilment. I selected a sports car as a subject to literally and metaphorically represent this idea. The product's narrative develops linearly, illustrated by an evolution in a nostalgic visual style using technical codes such as lighting and symbolic codes such as colour. Ultimately, *Escape* suggests to its audience that the prioritisation of wellbeing above everyday duties is vital to one's pursuit of happiness.

Megan Chan

Point Cook Senior Secondary College,
Point Cook
Boon Wurrung Bunurong Country

Scarlet

Graphic novel

Set in a twisted dystopian world, my graphic novel *Scarlet* follows the experiences of a former child performer determined to confront the horrors of her past. I drew inspiration from a range of film, eastern graphic novel and webcomic styles, which shaped my illustrations' moody, dramatic aesthetic and prominent visual symbolism. The overarching concept stems from the exploitation of vulnerable youth within the entertainment industry, revealing how glamour is often a façade used to cover up the truth.

VCE Media Print

Kai D'Orsa

Geelong Grammar School, Corio
Wadawurrung Country

The Farmer's Wife and Her Fancy Hats

Children's book

The Farmer's Wife and Her Fancy Hats is inspired by my mum, who is known at home as a bit of a mad hatter. I wrote and illustrated the book in a playful, humorous way to capture how she is lovingly interpreted in our family. The story follows Millie the milliner, who faces the quirky problem of making too many hats and not knowing what to do with them all. Through this fun tale, I explore creativity, identity, and the joyful chaos of being uniquely yourself.

VCE Media Print

Gray Edwards

Bannockburn P-12 College, Bannockburn
Wadawurrung Country

The Fairy Ring

Comic

The Fairy Ring is a comic inspired by traditional Welsh folklore, primarily the stories of the mischievous Pwca and the Tylwyth Teg. The protagonist, Gwynedd, runs into these characters while venturing into the woodland beyond their house. Through their journey, I aimed to create a timeless and nostalgic story with a universal coming of age narrative.

Sunni Gibcus

Blackburn High School, Blackburn
Wurundjeri Woi Wurrung Country

The Adventures of Jasper and Baltazar

Graphic novel

The Adventures of Jasper and Baltazar is a graphic novel following two adventurers navigating their way through a treacherous forest. I wanted my product to pay homage to all the different fantasy products that I grew up with, such as Dungeons and Dragons. Blending darker elements of fantasy with a more cartoonish style, my aim was to create an engaging and humorous read that follows Jasper and Baltazar's journey as they slowly grow closer to each other.

Miria Teh

Ivanhoe Grammar School, Doreen
Wurundjeri Woi Wurrung Country

The Toymaker

Comic

Taking inspiration from mythological fiction, my comic re-imagines worlds to present the origins of the greatest Toymaker. Once a creator of destruction and weapons, the Toymaker's journey towards humanity brings him a new purpose: to create happiness instead of loss. I used colour symbolically throughout the comic, with dramatic shifts between monochrome and vibrance to highlight a story of transformation and the emotional impact of creation.

VCE Media Print

Cassian Walker

Mentone Grammar School, Mentone
Boon Wurrung Bunurong Country

Blood Mother

Comic

Blood Mother is a comic that follows two ageing priestesses of The Mother. The comic explores themes of devotion, love, faith and the greater good, as when Blue is chosen to be the vessel of their goddess, Red must choose between her partner of 30 years and the temple.

Felix Cherrey

Wesley College, Melbourne

Wurundjeri Woi Wurrung Country

V-Light Pro

Carbon fibre, Polyactic Acid (PLA), haptic interface

The *V-Light Pro* is a reimagined take on the bicycle handlebar, combining a haptic interface with a 1,500-lumen, 360-degree lighting system that guides riders through urban environments. By incorporating tactile navigation cues, traditional screen-based technologies are rendered obsolete, ultimately enhancing end-user safety. Weighing just 350g, the design transforms commuter cycling into a safer, distraction-free experience for all.

Ophelia Cravo

St Michael's Grammar School, St Kilda
Boon Wurrung Bunurong Country

AuraAthletic Sports Water Bottle & Storage Compartment

Black ABS 3D Printing filament, TPU 3D
Printing filament, Beech wood

In recreational sports leagues, stressful environments mixed with seemingly limitless extra belongings (such as tape or mouthguards) make game days an opportunity like no other for belongings to be lost. My design brief aimed to combat this issue by putting storage for any extra items in a product that will always be by the player's side - their water bottle. The storage compartment contains a comfortable location for a mouthguard and also features an insert where players can store their removed jewellery without any worries.

Ivy Dalley

Sacred Heart College, Geelong
Wadawurrung Country

The Generational Skirt

Cotton linen blend, tulle

The design addresses the challenge many women face in finding clothing that adapts to changing needs, including different occasions, weather, body shapes and sizes. By researching multifunctional garments, I produced a versatile piece suitable and flattering for women of all ages within a household. It is lightweight, breathable and durable, offering a comfortable fit for diverse users. This garment aims to reduce wardrobe waste through multi-way wear, long-lasting materials and the ability to transition confidently between activities and climates.

Genevieve Draper

Girton Grammar School, Bendigo

Dja Dja Wurrung Country

Sustainable, transformable, accessible coat

Wool, fox fur, synthetic lining, magnetic snap fasteners, polycotton thread

When it comes to accessible clothing, the market for end-users is unfortunately slim. It does not sufficiently balance sustainability and accessibility with personal style. My design aims to achieve this balance through recycled fabrics, incorporating features that are more adaptable for wheelchair-users and motor-restricted individuals, as well as through aesthetic elements capturing personal style. Research was conducted with individuals of varying mobility levels to create a design that is as universal as possible. This design makes personal expression through fashion accessible to all.

Paige Evans

Surf Coast Secondary College, Torquay
Wadawurrung Country

Equal Threads

Cotton drill, Neoprene, press studs, Velcro, reflective tape

My design responds to the lack of inclusive, comfortable and sustainable workwear in the construction industry. Through market research, material testing and end-user evaluation, I developed a gender-neutral garment that adapts to a variety of body shapes while providing durability, protection and visibility. The piece prioritises breathability, thermal stability and environmentally conscious thinking, aiming to help construction workers feel represented, safe and comfortable in their workplace.

Verity Horrigan

Genazzano FCJ College, Kew

Wurundjeri Woi Wurrung Country

Clothing for young girls with juvenile arthritis

Cotton, Velcro

This two-piece adaptive clothing set supports young females with juvenile arthritis by making dressing easier, faster and more comfortable. Designed for young females aged 15–17 years, it features discreet front Velcro to ensure the set remains easy to put on, pull handles for independent dressing, and pockets with removable heat packs to ease pain throughout the day. This set balances practicality and comfort while not compromising on aesthetics, offering an inclusive solution for young females living with juvenile arthritis.

Hayley Jellie

Monivae College, Hamilton
Gunditjmara Country

The Hayley Jane art satchel

Waxed canvas, leather, Velcro, cotton, brass, magnets, zippers, elastic

Creative people aren't a one size fits all and neither are our bags. Whether it's crocheting today or painting tomorrow the Hayley Jane art satchel is designed to adapt to hobbies as they change. The construction of this bag was based on research that suggested a need for versatile and adaptable bags that don't confine artists. Considerations include encouraging adventure with water-resistant and outdoor materials, while adaptable function is reflected in the rearrangeable insides and various carrying options.

Aliyah McCarroll

Yarra Valley Grammar, Ringwood
Wurundjeri Woi Wurrung Country

Sleeping Bag Jacket

Nylon ripstop rainproof fabric, press studs, zip, cotton wadding

In 2021, 30,660 people were reported as being without a home in Victoria. Those experiencing homelessness face discomfort, safety risks, limited mobility, and reduced dignity due to the harsh conditions of sleeping on Melbourne's streets. The *Sleeping Bag Jacket* is designed to convert from a wearable jacket and vest into a comfortable sleeping bag. Addressing issues of warmth and personal security, this design offers a contemporary, multifunctional solution that adapts to the daily challenges faced by individuals experiencing homelessness.

Charlie Mitchell

Northcote High School, Northcote
Wurundjeri Woi Wurrung Country

Stack Modular Storage and Seating

Birch plywood, Tasmanian Oak, recycled
Low-Density Polyethylene (LDPE)

Two of the most prevalent issues in the inner city are environmental sustainability and housing affordability, both of which are best solved by living in smaller spaces. However, downsizing can come with a cost to the occupants' mental health, as smaller spaces are more easily cluttered, leading to feeling disconnected from nature, which can increase feelings of anxiety and depression. My design aims to combat this by providing storage that reduces clutter and improves organisation, while employing a design that is visually appealing and references nature, bringing it into a space where one might otherwise feel disconnected from nature.

Cameron O'Keefe

Aquinas College, Ringwood

Wurundjeri Woi Wurrung Country

Desktop Greenhouse

Wood Polylactic Acid (PLA), Perspex, plywood, 3D printing

Trends towards smaller urban apartments create a significant challenge: lack of space for gardening. As the cost of fresh produce rises, so does the interest in growing food at home. Yet compact living denies many the cost-saving and therapeutic benefits of gardening. My enclosed greenhouse is a visually appealing centrepiece for any desk. Its easily removable sections make garden maintenance simple for all users. Plastic parts are printed from Wood PLA, offering an environmentally friendly alternative to standard 3D-printed plastics.

Dehara Ratnayaka

Avila College, Mount Waverley

Wurundjeri Woi Wurrung Country

Women's Endurance Swimsuit

Powernet, recycled swim Lycra, Neoprene, contact cement

Many Victorian women aged 15 to 35 are either not confident swimmers or weak swimmers. Yet they still spend significant time participating in leisure water activities, risking their safety. I designed the swimsuit to increase the end-user's endurance in the water through supportive Neoprene buoyancy inserts along the sides of the swimsuit. The inserts are adjustable to the user's capabilities and skill level. The swimsuit is designed to promote greater participation in water activities with caution, safety and self-awareness.

Lola Frances Refardt

Mount St. Joseph's Girls' College, Altona
Boon Wurrung Bunurong Country

Eco-printed Sportswear

Tech nylon, Bamboo spandex

Eco-printed Sportswear explores the relationship between sustainability and physical activity through eco-conscious design. Using high-performance deadstock fabrics and mindful-making practices, this sportswear ensemble demonstrates that style and function don't need to be compromised for sustainability. As skin cancer diagnoses are rising, it was essential to incorporate both structural and physical protection against harmful UV rays. Finally, vibrant impressions of Viola and Pansy flowers highlight the beauty of nature, in turn encouraging responsible product stewardship.

Olivia Sartitsis

Toorak College, Mount Eliza

Boon Wurrung Bunurong Country

Weighted Sleep Set

Cotton, wheat, satin, buttons

In response to the growing need for calming, practical support during periods of high stress, the Weighted Sleep Set is designed for students managing heavy workloads and demanding schedules. After researching weighted accessories on the market, I developed a discreet yet therapeutic shoulder wrap that can be heated or cooled to provide tailored sensory relief. Paired with a lightweight breathable cotton pyjama set and a matching eye mask, this design helps users maintain calm, balance and restoration during demanding and stressful periods.

Frazer Smith

Brighton Grammar School, Brighton
Boon Wurrung Bunurong Country

Urban Eden

Aluminium, 3D Polylactic Acid (PLA), Polyvinyl Chloride (PVC), solar panel, water pump, silicone hosing, brass sprinklers

My product aims to bring green spaces back to urban environments. Its modular design allows users to customise it to their balcony fence or wall. Designed for urban and suburban areas, the project blends sustainability, practicality and aesthetics, using durable and recycled materials alongside solar-powered watering systems. Organic and geometric elements work together to create visual harmony. By supporting diverse plant species, the system improves air quality, reduces noise, and fosters wellbeing. It transforms vertical spaces into living ecosystems.

Maya Soha

Star of the Sea College, Brighton
Boon Wurrung Bunurong Country

Multi-sensory dementia garment

Cotton linen fabric, linen nylon fabric, magnets, buttons, yarn, Velcro

My product is a wearable multi-sensory garment that assists in the management of behavioural and psychological symptoms of dementia and can be used while the individual is walking around. The design provides tactile and visual features for wearer engagement, aiming to reduce agitation and irritability. This includes interchangeable cuffs that can be personalised and provide different sensory experiences. The garment is designed with potential dexterity and mobility constraints in mind, with features such as magnet closures and larger arm holes.

Owen Witcher

Beaconhills College, Berwick

Boon Wurrung Bunurong Country

Flatpack Horticultural Lamp

Plywood, Polylactic Acid (PLA), Polyethylene Terephthalate Glycol-modified (PETG)

The function of this product is to provide a therapeutic outlet for the end-user, addressing the problem of mental health decline, by incorporating both interactive and soothing features through horticultural and lighting perspectives. I experimented with new and emerging technologies, including CAD software, laser cutting and 3D printing, and considered the potential for larger scale manufacturing. Inspired by the sustainability framework and by design for disassembly, I created this product to be dismantled easily, making its disposal and repair more feasible.

Kaylee Wray

Bacchus Marsh Grammar School, Maddingley
Wadawurrung Country

Convertible Insulated Jacket

Polyester, insulated wadding, ripstop fabric

I have designed a convertible insulated jacket that transforms into a puffer vest, specifically for active individuals who enjoy outdoor activities such as skiing, hiking and mountain biking. A key innovative feature of my design is the use of magnets around the armholes; these replaced the initial concept of zippers after material testing and end-user feedback. The magnets allow the sleeves to be easily attached or detached, making the conversion more comfortable and efficient without irritating the user's skin.

Pete Chalikouras

St Michael's Grammar School, St Kilda East
Boon Wurrung Bunurong Country

Intelligent home climate control and ventilation

Arduino Mega, custom-printed circuit board (PCB), San Ace 80, touchscreen, servo motors, Mass air flow (MAF) sensor, DHT22 temp sensors, Polyethylene Terephthalate Glycol (PETG) filament

My system is an intelligent climate control system controlled by a 7-inch OLED touchscreen display that automatically manages airflow and temperature across multiple zones using four temperature sensors: roof, house, outside and auxiliary. The system employs servo-controlled valves to direct air through strategic intake and exhaust paths, while a variable speed fan circulates air based on real-time conditions. The system aims to improve the efficiency of house cooling.

Madeleine Ching

Girton Grammar School, Bendigo

Dja Dja Wurrung Country

Medsort

Arduino Nano, servo motors, 1602 LCD display, 4×4 Keypad matrix, 10mm Plywood, 3mm Polymethyl methacrylate (PMMA), Polylactic Acid (PLA) 3D-printed components, Piezo buzzer, real-time clock (RTC) module

I have developed *Medsort* to be a system which sorts and dispenses pills. It is designed for use by the elderly and those with dementia to minimise the chance of medication administration errors, while reducing the burden of care for caretakers. Controlled by an Arduino Nano, *Medsort* interprets user-inputted variables, dispensing quantities of different medications at specific times. Tracks deliver the pills to a collection area for the user. Overall, the system prioritises accuracy and efficiency in its function.

Charlie Cowled

Kardinia International College, Bell Post Hill
Wadawurrung Country

The Key-Assist

Arduino Uno, NEMA stepper motors, actuator, gears, 9V battery, power bank, A4988 motor driver, Polylactic Acid (PLA), 3D-printed modular components, saw-cut wooden components, rubber belt drive, linear bearings, ball bearings

The *Key-Assist* is a robotic key-pressing system that enables people with motor disabilities to play electronic keyboards. Users can program song sequences for automatic playback or use a joystick and button controls for manual positioning and key pressing. By constructing a physical medium for musical interaction, the *Key-Assist* illustrates how modern haptic control and assistive robotics can redefine accessibility in creative industries.

Max Drake

Kardinia International College, Bell Post Hill
Wadawurrung Country

Dual-Axis Solar Tracking System

10W Monocrystalline solar panel (12V), Arduino Uno, linear actuator, Nema-17 stepper motor, L293D motor driver, L298N motor driver, 7ah SLA battery, solar charge controller, toggle switch, light-dependent resistor (LDR) sensors

I have created a dual-axis solar tracking system that keeps a solar panel aligned with the sun throughout the day. Four LDR sensors are arranged around a cross divider, which shades them from indirect light. The Arduino Uno compares the sensor readings and controls the stepper motor and linear actuator through the motor drivers. The system is designed to maximise the panel's energy output, which charges a detachable SLA battery.

Jet Edwards-Perry

Girton Grammar School, Bendigo

Dja Dja Wurrung Country

Dual-Control Robotic Arm System

Servo motors, stepper motors, Arduino UNO microcontrollers, magnetic rotary encoders, metal nuts and bolts, Lazy Susan, bearings, SPST push switch, threaded inserts, 3D-printed spur gears, custom PCB, Polylactic Acid (PLA)

My project is a four-joint robotic arm that mirrors a scaled-down controller arm in real time. Magnetic rotary encoders track each joint's movement and send data through a wired link to dual Arduinos that coordinate stepper and servo motor control. Fully 3D-printed in Polylactic Acid (PLA), the system demonstrates intuitive 1:1 human-to-robot motion transfer. Created as a proof-of-concept for remote and assistive robotic systems, it showcases how accessible materials can support emerging human-machine interface technology.

Liam Holmes

St Helena Secondary College, Eltham North
Wurundjeri Woi Wurrung Country

Reforestation Rover

Polylactic Acid (PLA) components,
Lithium-ion batteries, Raspberry Pi, NoIR
Camera, ultrasonic range sensor, 36GP-3530
motors, servos, motor driver boards, GPS
Receiver, TP-Link MR6500V Router, DC to DC
buck converters, Archimedes screw

I developed the *Reforestation Rover* as an affordable alternative to existing industrial, agricultural seed-planting robotics, addressing the issue of deforestation in low socioeconomic areas. Allowing for global remote control, the rover employs 5 electromechanical subsystems while drilling holes, planting and covering seeds. The drill lowers, contacting microswitches, signalling the Raspberry Pi to raise the drill and rotate an Archimedes screw, releasing the seeds. The soil-mover lowers while driving forwards, covering the seed with a fine layer of soil.

Lachlan Jaensch

Bacchus Marsh Grammar School, Maddingley
Wadawurrung Country

Autonomous Shelf Lifting Robot

DC motors, wheels, ultrasonic sensors, Infrared (IR) sensors, lead screw, Arduino Uno, lithium-ion battery, Polyethylene Terephthalate Glycol (PETG) 3D-printed components, laser-cut plywood components

I have designed a scaled-down, shelf-lifting robot that can autonomously move shelves around a warehouse setting. It does this through using two IR sensors to follow a black line on a contrasting white surface, and utilises an ultrasonic sensor for obstacle avoidance. When it reaches the end of the line, it spins a motor attached to a lead screw to raise the scissor lift mechanism up, lifting the object. It then follows the line back and lowers the object at the end of the line.

Alexander Larocca

Parade College, Bundoora

Wurundjeri Woi Wurrung Country

Rubik's Cube Solver

Raspberry Pi 4B 4Gb, Raspberry Pi Camera

Module 3, A4988 stepper motor drivers,

NEMA17 stepper motors, breadboards,

laser-cut acrylic, Polylactic Acid (PLA)

3D-printed parts, aluminium angles, T8 lead

screws, guide rail

I have designed an autonomous Rubik's Cube solving robot that uses an LDR to detect when a Rubik's Cube is placed inside. The cube is automatically rotated to photograph all six sides for analysis with computer vision. Once analysed, the cube state is passed onto the Kociemba-solving algorithm to compute a series of solutions. The cube is engaged from all six sides to execute the solution set precisely using stepper motors, disengaging automatically to await another scramble.

Xavier Phillips

Viewbank College, Viewbank

Wurundjeri Woi Wurrung Country

AutoBerryPicker

Raspberry Pi 3, Arduino Uno, L298N motor controller, 1080p webcam, MG996R and SG90 servo motors, DC linear actuator, Lithium-ion battery, 3D-printed components, ball bearings, aluminium counterweight

To address the issues of unethical labour and food wastage in agriculture, I designed and produced a robotic arm that uses optical detection to autonomously harvest strawberries. A computer running a custom Python program identifies ripe strawberries in the camera feed, while an Arduino controls the arm's movement and gripper to navigate to strawberries and remove them from their stems. The harvested strawberries are then deposited in a designated storage area for collection.

Rodney Tang

Bacchus Marsh Grammar School, Maddingley
Wadawurrung Country

Swimming Lap Counter and Touchpad

Arduino Uno, AA battery, battery holder, MG995 servo motor, servo shield, Polylactic Acid (PLA) filament, epoxy resin, clear acrylic sheet, cork gasket, M6×10MM screw, barrel connector female, barrel connector male, door mat

In competitive long-distance swimming, swimmers rely on lap counters that are kept out of the water, making them hard to see and manage. This underwater lap counter addresses this issue by remaining submerged for clear visibility, updating automatically when activated by a custom touchpad, removing the need for input from human officials. Many modern swimming technologies, such as touchpads, are costly and inaccessible for use in smaller pools. This touchpad concept demonstrates how essential equipment could be made more affordable without sacrificing accuracy and performance.

Moses Abdelmalak

Carey Baptist Grammar School, Kew
Wurundjeri Woi Wurrung Country

Sora Refugee Centre

Sora Presentation Board and Model

Bamboo, Medium-density fireboard (MDF),
steel, glue binder, faux foliage

Sora Support App

Foam board, vector-based software

The purpose of my designs is to restore the self-worth of refugees through my facility and complementary app, supporting their first steps in building a new life for their families. Using Rhino, D5 and Illustrator, I created a bamboo prototype and a refined, user-friendly yet sophisticated app. Together, these tools foster a smooth transition and guide users through a new cultural environment as they establish stability and confidence.

Natasha Apostolovska

Rosehill Secondary College, Niddrie
Wurundjeri Woi Wurrung Country

Chassis - Altera Fusion

Workbench

Polylactic Acid (PLA) 3D print, mounted digital print, 3mm Polyvinyl Chloride (PVC) board

Company branding

Mounted digital print, 3mm Polyvinyl Chloride (PVC) board

Altera Fusion required a multifunctional workbench for a variety of industrial workspace users, catering for light to heavy workloads, with a distinct brand identity. I utilised traditional sketching and digital 3D modelling for the workbench design. High contrast, minimal colours and complex forms ensured an eye-catching industrial aesthetic.

Charlotte Chaung

Huntingtower School, Mount Waverley
Wurundjeri Woi Wurrung Country

Empower Hand Device

Model and information pamphlet

Polylactic Acid (PLA), (Pompeii Gray)-500g,
spray paint, inkjet print, paper

Packaging design and promotional poster

Inkjet print, paper

The client, Reuben Mikimoto, wanted to enhance the experience of the target audience (15–30-year-old physically disabled people) when using available devices in their everyday lives, while also reducing discomfort for them. The client also required a means of packaging the device as well as promotional material. The designs created aim to suit the daily needs of the users in their daily lifestyle and ensure they have safe and enhanced experiences.

Marley Cox

Ivanhoe Grammar School, Ivanhoe
Wurundjeri Woi Wurrung Country

ROCAL - Contemporary Surf Brand

Brand identity, advertisement and surf wax packaging

Inkjet print, card, vinyl, beeswax, candle wax,
spray paint

Waterproof backpack

Upcycled Polyvinyl Chloride (PVC)
advertisement tarp, acrylic, nylon webbing,
rubber, thermoplastic polyurethane seam tape,
polyurethane zipper and thread

ROCAL is a contemporary surf brand targeted at surfers who value minimalism, sustainability and practical gear. The branding embraces coastal elements alongside modern design movements. The identity of the brand was developed with simple colours and shapes in mind. Physical prototyping and detailed technical flats guided the construction of the waterproof backpack, and the brand's identity guided many aspects of the visual design. This can be seen across all contexts including the bag, surfboard and surf wax packaging.

VCE Visual Communication Design

Cate Eimutis

Melbourne Girls' College, Richmond
Wurundjeri Woi Wurrung Country

Dear Crumb Bakery

Store layout and design

Card, concrete, wood, plastic

Brand identity

Inkjet print, paper, fabric

Dear Crumb is a gluten-free bakery concept based in Fitzroy, Melbourne. The client required the design of a functional, stylish and welcoming bakery environment, to communicate the bakery's interior layout, using both modelling and digital methods. It is paired with the establishment of a complementary branding identity that utilises minimalistic type, simple shape and distinct colour acting in a versatile and adaptable manner, while also informing customers of gluten-free safety. Simultaneously, it is advertising the business.

Sophie Hine

Siena College, Camberwell

Wurundjeri Woi Wurrung Country

SunWise Campaign

Presentation board including logo and style guide with accompanying 3D merchandise

190gm matt paper, foam board

Series of SunWise promotional posters

190gm matt paper, foam board

Cancer Council Victoria are seeking to create a new SunSmart campaign specifically targeting a youth audience of 16–30-year-olds. This particular age group is currently at high risk due to their desire to tan, driven by fashion trends, social media and peer group pressure. The new campaign needs to connect and engage with this youth market through contemporary and socially relevant messaging, while ensuring that all communications (including a new logo, merchandise and promotional poster series) align with the trusted SunSmart brand.

Daisy Hinton

Mentone Grammar School, Mentone
Boon Wurrung Bunurong Country

Little Bay Coastal Reserve

Brand identity

Inkjet print, paper

Pier and lookout

Inkjet print, paper, balsa wood, wire

Little Bay Coastal Reserve's new brand identity and pier redesign was commissioned by Mike Shelly, the director of Rookery, Alder & Co Conservation, which prioritises protection of the fairy penguins, restores ecosystems and strengthens habitat resilience. A clean silhouette, high-contrast colours and respectfully stylised penguins attract a broad audience while maintaining professionalism. The pier redesign's accessible, durable wave-like walkway enhances visitor engagement and provides an educational and low-impact journey that guides people towards the viewing area, while safeguarding wildlife.

Katie Ho

Box Hill High School, Box Hill
Wurundjeri Woi Wurrung Country

Snug as a Bug

Plush design and presentation board

Faux fur, minky fabric, microglass beads,
polyester stuffing

**Brand Guidelines booklet and Style Guide
presentation board**

Inkjet print, paper, foam core

Snug as a Bug is an organisation that caters to older teens and young adults who are autistic and/or experience sensory sensitivities. They required a product that provides physical and emotional comfort for its target audience, alongside a comprehensive brand identity. A combination of soft textures, warm tones and weighted features achieve a comforting and functional plush design. The Brand Guideline booklet utilises earthy-tones, playful imagery and clear typography to reflect the comfort and accessibility for which the client strives.

VCE Visual Communication Design

Kit Howard-West

Yarra Valley Grammar, Ringwood
Wurundjeri Woi Wurrung Country

Harmony Community Music Program

Community Music Centre model and presentation board

Inkjet printer, foam core, Acrylonitrile
Butadiene Styrene (ABS), acrylic

Wayfinding system, logo design and presentation board

Inkjet printer, foam core, cotton

Harmony is a not-for-profit program aimed at musically-inclined but socially-disengaged youths in Melbourne's northern growth corridor. The angular and open-plan music centre, designed to fit on a standard suburban plot, emphasises reconfigurability and social and spatial interconnectedness. Likewise, the logo seeks to capture a timeless yet warm and inviting aesthetic, while the wayfinding seeks to improve the centre's accessibility. The record needle motif is present across both logo and centre designs.

Kislee Nguyen

Balwyn High School, Balwyn North
Wurundjeri Woi Wurrung Country

An Giang Library

Conceptual model of the library

Cardboard, wooden sticks, tracing paper,
plastic sheets, foam board

Tote bag and keychains

Screenprint on canvas, acrylic, synthetic
cotton string, metal components

The An Giang Provincial Library (An Giang Library) proposed a project for redesigning its space and re-establishing its branding to meet the changing needs of the local demography. I explored local legends and traditional practices to develop the form and façade of the building as well as associated and multiple examinations of shapes and functionality. Simple cursive lines, clean shape assets, a neutral colour palette, and easy-to-read typography were utilised to suit the large demographic and the modernity of the building aesthetic.

Catherine Robinson

Star of the Sea College, Brighton
Boon Wurrung Bunurong Country

GlowGuard Sun-safe Design

GlowGuard Sunscreen packaging and Sun-Safety infographic

Inkjet print, satin paper

Sandringham Beach Shade Pavilion design

Cricut, balsa wood, card, glue, paper, wire

GlowGuard required sunscreen packaging and an infographic that would encourage young Australian women to adopt sun-safe habits. I designed vibrant, youthful packaging using digital illustration and clean, modern typography to make the sun protection factor (SPF) appealing and easy to use.

The infographic presents clear, engaging information about sun protection. My second presentation features a shade pavilion for Sandringham Beach, designed with organic forms and durable materials to provide accessible, comfortable protection for beachgoers.

VCE Visual Communication Design

Sienna Sullivan

Mentone Grammar School, Mentone
Boon Wurrung Bunurong Country

Bloomn

Branding and visual identity

Inkjet print, paper, gloss stickers, iron-on vinyl

Packaging

Inkjet print, paper, cardboard, matte sticker sheets, ribbon, magnets

Young girls often lack reliable and honest resources to learn about skincare, beauty and their bodies. Bloomn, a skincare business specialising in providing age-appropriate skincare products and bundles for tweens, aims to educate, inspire and empower young girls to care for their skin in healthy ways. Bloomn's mission is to provide engaging, playful and inclusive educational bundles for tweens that promote natural beauty and the importance of age-appropriate skincare. Bloomn required their branding to be feminine, playful and vibrant to engage tweens and convey a youthful and friendly brand persona.

Holly White

Tintern Grammar, Ringwood East
Wurundjeri Woi Wurrung Country

Azure & Aureate Light Sculpture

Light sculpture

Jelutong timber, plastic filament, electrical cord, smart LED WiFi E14 bulb

External light packaging and branded poster

Corrugated cardboard, card, printed ink, tissue paper

Azure & Aureate required a wellness-focused lamp for people aged 18 to 25 who want stylish, functional lighting that supports mood, focus and healthy sleep. I developed a natural, flowing form, using a 3D-printed shade and a lathe-turned wooden base. Warm-to-cool lighting connects to the body's circadian rhythm, creating calm or clarity as needed. The packaging uses textured paper, a sturdy board box, and a day-to-night gradient to communicate the lamp's purpose and present it as an elegant, contemporary product.

Yat Yeung

Yarra Valley Grammar, Ringwood
Wurundjeri Woi Wurrung Country

RIDE WITH A SHELL

E-Mobility shelter

Polylactic Acid (PLA) 3D-printed components,
foam board, textured modelling turf, sandpaper
road surface

Promotional campaign and parking map for e-mobility

Inkjet print, paper

Public Transport Victoria (PTV) required an integrated e-mobility solution to address unsafe parking, vandalism and low rider confidence. My design combines a modular shelter with a promotional campaign and parking map to support safe, organised scooter and bike use. The shelter features a flexible, sustainable structure incorporating PTV's triangular geometry, while the campaign applies a unified visual identity. Shared colours, hierarchy and the 'SHELL' logo link all outcomes, with the pun referencing both shelter and helmet to reinforce safety for users.

VCE Visual Communication Design

Darcie Alderton-Nutter

Mildura Senior College, Mildura

First Peoples of the Millewa-Mallee, being Latji Latji and Ngintait Traditional Owners

Patrick's Playtime

Animation

Adobe Animate, Photoshop, Premiere Pro, Procreate

I created *Patrick's Playtime* as a short 2D animation inspired by mini-educational children's television episodes. The story follows a young boy (voiced by my brother) and his friend, the narrator, as they enjoy a day at the park and delight in the excitement of counting and cookies.

Units of Competency

CUAANM301 Create 2D digital animations

CUADIG304 Create visual design components

Clara Dinh

Mentone Girls' Grammar, Mentone
Boon Wurrung Bunurong Country

Monster

Music video animation

Adobe Photoshop, Premier Pro, Adobe
Animate

I created *Monster*, an animated music teaser, for an imaginary boy band 'Vantor' and their upcoming music video. It brands the band with a graffiti-based colour palette of green, red and yellow, which contradicts the bland white wall in the background. As the animation progresses, the graffiti artist becomes increasingly more colourful, reflecting the band's vibrant identity. The retro instrumental and the animation complement each other to create an early 2000s street aesthetic, creating a sense of fun and energy.

Unit of Competency

CUAANM301 Create 2D digital animations

Rosanna Ly

Caulfield Grammar School, Wheelers Hill
Wurundjeri Woi Wurrung Country

Pride

Animation

Adobe Animate, Adobe Photoshop

I created *Pride*, a short 2D animation skit made in Adobe Animate, that follows a close LGBTQIA+ focused friendship group. Through their light-hearted banter and everyday antics, the animation promotes awareness and highlights pride-themed merchandise. The casual conversations are designed to challenge and break down common stigmas surrounding the queer community. As the skit concludes, it offers a brief but meaningful insight into the significance of Pride Month before ending on a playful, uplifting note.

Units of Competency

CUAANM301 Create 2D digital animations

CUADIG304 Create visual design components

Rosanna Ly

Caulfield Grammar School, Wheelers Hill
Wurundjeri Woi Wurrung Country

Coastal Catch

Website

Adobe Dreamweaver, Adobe Illustrator

My website *Coastal Catch* was created as a digital platform for a restaurant, designed to make ordering, booking and navigating simple and intuitive for customers. The layout is clean and visually appealing, highlighting the restaurant's coastal theme while remaining fully functional and user-friendly. Clear menu sections and accessible booking features help streamline the customer experience. Overall, the site aims to reflect the restaurant's identity, according to the brief, while providing an efficient and welcoming online space for all users.

Units of Competency

CUADIG312 Author interactive sequences

CUAWRT301 Write content for a range of media

Ben Middleton

Mildura Senior College, Mildura

First Peoples of the Millewa-Mallee, being Latji Latji and Ngintait Traditional Owners

PERSEVERANCE

Animation

Adobe Animate, Adobe Photoshop

My vector-art animation *PERSEVERANCE* follows an unnamed photographer trekking through the depths of the northern Canadian wilderness. Despite trials and tribulations in the face of Mother Nature, the character manages to reach their destination through their own endurance and will, and their perseverance. My animation takes inspiration from and combines modern, simplistic art styles alongside painterly impressionist styles.

Units of Competency

CUAANM301 Create 2D digital animations

CUADIG304 Create visual design components

Noah Stafford-Bell

Northern College of the Arts and Technology,
Preston

Wurundjeri Woi Wurrung Country

MSEP - Mars Space Exploration Program

Adobe Animate, Adobe Premiere Pro

MSEP - Mars Space Exploration Program is an animated advertisement created in Adobe Animate and Premiere Pro. It promotes a program that sends the first human colony to Mars, targeting people on Earth who are bored with everyday life, and in search of something greater. The advertisement appeals to themes of adventure and hope. As viewers are guided through the Mars facility, the advertisement uses bright colour palettes, gradients, long takes, minimal cuts and grand atmospheric sounds, to enhance the space theme.

Units of Competency

CUAANM301 Create 2D digital animations

CUADES302 Explore and apply the creative design process to 2D forms

Daniel Driver

Blackburn High School, Blackburn North/
Ringwood Training, Ringwood
Wurundjeri Woi Wurrung Country

Slide Out Cooking Drawer

Aluminium sheet, drawer slides, hinges, rivets,
nutserts, bolts

My project is a slide-out cooking drawer for the back of a ute or car. It has 3 drawers for storing pots, pans, cooking utensils and other cooking items. It also has designated space for a gas cook top and washing tub. The slide-out cooking drawer allows me to cook and clean with ease as it is mostly set up and just needs to be pulled out.

Units of Competency

MEMPE006 Undertake a basic
engineering project

VU23480 Perform intermediate
engineering computations

Liam Groseclos

Ringwood Secondary College/Ringwood
Training, Ringwood
Wurundjeri Woi Wurrung Country

Portable Grill Barbecue

Mild steel, pop rivets, heat-resistant black
spray paint, washers

This project is a coal barbecue designed to withstand high temperatures while still being convenient. It has strong, durable legs that keep the assembly stable, but can be folded and carried with a handle, allowing it to be used in any location. It has a slide-out tray for easy access to coals, and a grill piece that can also be removed for cleaning. Because this barbecue is portable, it is perfect for camping, or even just for use in your own backyard.

Units of Competency

MEMPE006 Undertake a basic
engineering project

VU23480 Perform intermediate
engineering computations

Rex Peile

Eltham College, Research Ringwood Training,
Ringwood
Wurundjeri Woi Wurrung Country

Bass Drum Pedal

Aluminium, stainless steel, 3D-printed nylon

A custom *Bass Drum Pedal* with unique design features such as a 3D-printed cam and beater holder aims to reduce production costs. It features an adjustable beater angle system, adjustable chain length and interchangeable cam which enable near-endless configurations for personal set up preferences.

Units of Competency

MEMPE006 Undertake a basic
engineering project

VU23480 Perform intermediate
engineering computations

Melissa Tan

Ringwood Secondary College Ringwood
Training, Ringwood
Wurundjeri Woi Wurrung Country

Narcissus

Mild steel

My project is a model of a spacecraft from one of my favourite movies of all time.

Units of Competency

MEMPE006 Undertake a basic engineering project

VU23480 Perform intermediate engineering computations

Emma Best

Gippsland Grammar School, Sale
Gunaikurnai Country

Nesting Tables

Victorian Ash, Jarrah

These two round nesting tables showcase a refined blend of craftsmanship and the natural beauty of the materials. Made from Victorian Ash, each piece highlights the timber's grain and strength, while a contrasting Jarrah inlay adds a striking touch of richness and character. Designed to nest seamlessly, the tables offer both practicality and elegance. Laminations on the rails achieve the curves that follow the round top and a segmented top fitted with biscuits for a strong design.

Unit of Competency

MSFFP2020 Undertake a basic furniture making project

Enzo Blackmore

Gippsland Grammar School, Sale
Gunaikurnai Country

Turning Time

Victorian Ash

My turntable cabinet is a rectangular piece crafted from Victorian Ash that is stained with rich walnut. Shadow gaps, paired with precise mitre, loose tenon and biscuit joints, create a clean yet intricate design. Its three-compartment layout maximises storage space, while the refined exterior allows the cabinet to be admired from any angle. The classy brass hardware works with the deep brown wood to complement the timeless character of a turntable, serving as a striking centrepiece in any room.

Unit of Competency

MSFFP2020 Undertake a basic furniture making project

Oliver Borg

Red Rock Christian College, Sunbury/Northern
College of the Arts and Technology, Preston
Wurundjeri Woi Wurrung Country

NeuroTeach System

ESP32 Microcontroller, brain-computer
interface (BCI) headband, NUC computer,
Bluetooth earbuds, 3D-printed components,
electrical components

This system provides tutors and teachers with real-time tactile feedback on student attention by using a brain-computer interface (BCI) headband. The detected brainwaves are used to determine if a student is disengaged or overloaded, signalling uniquely to the tutor/teacher (through Bluetooth earbuds) to adapt the workload accordingly. This project aims to inspire and help teachers/tutors to more effectively teach and to demonstrate the emerging BCI technology.

Unit of Competency

VU23113 Carry out an integrated
technologies project

Juan Sebastian Espinosa Lancheros

Coburg High School, Coburg/Northern College
of the Arts and Technology, Preston
Wurundjeri Woi Wurrung Country

Dronor the customisable FPV racing drone
5-inch carbon fibre frame, F722 FC,
ExpressLRS receiver, 6S LiPo battery, 60A
Electronic Speed Controller (ESC)

This project is the successful design and configuration of a highly customisable, powerful 5-inch FPV racing drone. Built with a robust carbon frame, the F722 FC, 60A ESC and 6S LiPo power the system, which is programmed via ExpressLRS for swift and reliable flight. The core objective was to demonstrate Integrated Technologies through its customisable architecture, allowing seamless future hardware additions, such as lights and servos for a personalised, FPV experience.

Unit of Competency

VU23113 Carry out an integrated technologies project

Alexander Spilman

Diamond Valley College, Coburg/Northern
College of the Arts and Technology, Preston
Wurundjeri Woi Wurrung Country

Project Sentry

Raspberry Pi 4b 8gb, USB Webcam,
copper heatsinks, Raspberry Pi housing,
external monitor

My project uses AI object detection through the use of an open-source software called FrigateNVR. When an object or motion is detected, the Raspberry Pi automatically starts recording and alerts the user's mobile device so that they can check for themselves through the use of the mobile app. The project aims to achieve all the benefits of using a high-cost home security system while also being affordable for everyone wanting peace of mind that they are safe.

Unit of Competency

VU23113 Carry out an integrated
technologies project

Robin Xiong

Viewbank College, Viewbank/Northern College
of the Arts and Technology, Preston
Wurundjeri Woi Wurrung Country

The Bio-Rhythm Visualiser

Apple Watch biometric sensors, Raspberry Pi 3B, WS2812B Neopixel LED strip, portable exercise caddy/phone stand, electrical components, 3D-printed/laser-cut housing

My project turns real-time biometric data into a visual guide for exercise. An Apple Watch sends heart rate, blood pressure and body temperature to a mobile phone, which forwards the data to a Raspberry Pi driving a high-density NeoPixel LED strip on a portable exercise caddy. Set on the gym floor, the shifting light patterns give instant feedback, helping users optimise intensity, stay safe, and understand their body's responses, thereby creating greater intuitive fitness experiences for a wide range of users.

Unit of Competency

VU23113 Carry out an integrated technologies project

Logan Welker

Apollo Bay P-12 College, Apollo Bay
Eastern Maar Country

Re-Imagination

ProTools Studio

In 2025, I created *Re-Imagination* using new skills and knowledge gained since *Imagination*. It is a reworked original piece from 2024 called *Imagination*, designed to create a surreal auditory experience and expand on the original rather than replace it. *Re-Imagination* generates a new sound and evokes a sense of longing, allowing listeners to drift between their imagination and reality, thus creating a new world in their minds.

Units of Competency

CUASOU317 Record and mix basic music demos

CUASOU321 Mix music in studio environments

VCE VET Music (Sound Production)