



*...a continuing partnership to enhance student learning*

## TAP 2023 - Learning within our community

*The TAP belongs to the community of Timboon.*

*The partnership between Timboon P-12 School, the local community, regional businesses and industries has supported curriculum delivery, student engagement and student learning outcomes since its inception in 2012.*

The versatility of the TAP is consistently demonstrated as each year the program evolves to meet the needs of students and teachers in engaging curriculum development. This was evidenced to good effect in 2023 with the introduction of the Year 9/10 electives 'AgHort' and 'Digital Technologies'. Students learned through excursions and presentations from experts across the region as they delved into these exciting, innovative and new topics.

Both new and repeat community connections are the backbone of the TAP so to reflect on 2023 we are highlighting 'New' and 'Tried and True' programs.

In 2023 we had 170 individual community and industry personnel involved in the development and delivery of the TAP curriculum at a value of \$17,902. Since August 2012, 675 local community members and businesses, have shared their expertise and passion with us. In monetary terms this has been \$127,017 worth of expertise generously provided to our school community.

"The Timboon TAP curriculum is unique and has that special quality that is needed particularly in our rural schools. Students from Prep to Year 12 get to understand their communities, they learn to be proud of where they live and are exposed to former students who have all benefited from a good education. TAP brings the life and the world that thrives around a rural community to life, and helps students realise that what they are learning has real and important applications. I applaud Timboon P-12 for its ongoing fostering of this programme and believe many other schools would benefit from a similar programme"

*Richard Riordan, Member for Polworth, December 2023*

### 2023 TAP's On! - 'THINK DIGITAL'



# New ...



## AgHort Elective Year 9/10

- Field Trip to SWTAFE re careers and soils workshop.
- Trip to nursery to determine the importance of healthy soils to promote the best growth, a cornerstone of any agribusiness.
- Investigated Australia's animal production industries: systems, animal health, welfare, freedoms, handling systems and biosecurity.
- Examination of a variety of agribusinesses in our region.
- Field trip to learn about a local contracting business, careers, opportunities in drones for mapping, spraying, fertiliser.

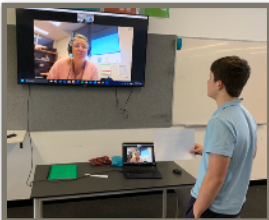


- Investigation of various food and fibre options, technology and career pathways including beef, dairy, ducks, sheep and chickens.
- Considered technology in action at robotic rotary dairy and greenfield site for new dairy during a field trip.
- Learnt about animal fertility, reproduction and AI with local AI experts.



- Regenerative horticulture introduced to complement school garden experience.

## Digital Technology Year 9/10



Introduced to the GPS Cows program which allows participants to develop skills and an understanding of GPS and its application in the collection of data and animal welfare.

## Year 10 Science

Webex with past student, Park Ranger Abbey Ralph, re her career path and role with Parks Tasmania researching potoroos and bandicoots.



## Year 5/6 Geography

We invited local sheep farmer, Leigh McKenzie, into the classroom to describe the pathway of Australian fleece from farms across Australia and then exported overseas, processed into manufactured goods and imported back into Australia.



## Year 7 Health - Call, Push, Shock

Year 7 health students were familiarised with 'Shocktober' and the Call Push Shock kits that were created in partnership with the Heart Foundation and Ambulance Victoria.



## Year 10 Maths

Adam Bell linked maths and statistical analysis to show how data is used to improve both soil testing and surfing.

A trip to the Gale's dairy farm, with effluent engineers, supported students to investigate the measurement and geometry that go into designing an effluent pond and system.



## Year 11 Biology

Students explored a contemporary ethical issue, reintroducing dingoes into the Grampians National Park with Michael Smith, SouthWest District Manager, Parks Victoria.





# Some new ... & tried and true

## Year 5/6 Maths and Science (Natural disasters)

We determined the financial impact of floods and learnt about volcanic eruptions and the way local volcanic plains evolved, exploring and comparing Mt Leura and Mt Noorat.



Investigated and compared the impact of bushfires in this area and prevention in the aftermath of Ash Wednesday / St Patrick's Day fires.



**Cows Create Careers** - moved into the Year 7 science curriculum. Areas covered were calf welfare and rearing, scientific experimental design and careers in the industry. English was linked through writing newspaper reports.



## Year 11 VCE Business Management

Michelle Frantantaro from a 'Little Bit Sweet', focused on the motivation for starting a business, identifying business opportunities and customers' requirements, and promoting a business on social media.



## Year 8 Geology

- Geotech engineer, Jeremy Doolan, presented to the class on rocks, minerals, geology and the range of careers in this field.

-A field trip investigation of the geology of our ever evolving coastal environment and regional waterways.



## Year 1/2 Changes all around us

Brad and Bec Couch described seasonal changes including what the cows were doing, calves, water, grass, hay, silage, plantations and tracks.



**Year 10 Science - Genetics** Students undertook a field trip to Nick, Simone and Will Renyard's dairy farm. The Renyard's program was summarised with an emphasis on using technology and genetics to improve cow health, farm production and the importance of breeding an efficient, healthy animal.



## Year 1/2 Science Minibeasts

Real life encounters with worms, learning about their needs and how they benefit the soil.

Beekeeping facts with MaryAnn

Pender from Timboon Honey and making beeswax cloths with Dianne Membrey.



## Year 8 Science - Camembert in the Classroom



- Investigate cheese making, make camembert, different scales of production- similarity of techniques.
- Scientific reports- an experiment on milk solids analysis and camembert cheese making.
- Dairy Product investigation-cheese, yoghurt, ice cream.
- Cheese Appreciation Night.

## Year 7 Science

Marion Manifold presented on food webs and connectivity of natural environments, with a focus on the endangered Southern Brown Bandicoot.



## Prep Science

Exploring 'Growing Well', students conducted experiments, including planting grass and beans to observe growth and learn parts of a plant.



They discussed the needs of plants and animals on an excursion to Berryworld and established what plants needed to stay strong and healthy.

## Year 5/6 Farm Safety

To reinforce the farm safety messages our year 5/6 students have been hearing, and to learn about digital technologies, animation and story telling, we invited Gareth Colliton and Alex Francis from One Day Studios into our classroom. Students' claymation movies featured accidents, fires, rollovers, burns, crashes, squashes and falls but all alluded to the importance of farm safety and keeping our farm families safe.





# Is it new ... or tried and true ...?



**Year 10 Geography** - Investigation of the Curdies estuary and the health of waterways in our region. Students tested a water sample comparing water temperature, turbidity, pH, salinity, and reactive phosphorus (nutrient content) to understand the ecological impacts of land use changes and their impact on potential water quality in our region. This is a small part of the River Detectives program; the full story can be accessed here: <https://www.riverdetectives.net.au/wp-content/uploads/2024/01/Timboon-School-Story-Of-Change-2023.pdf>

**5/6 Get Clucky** - Year 5/6B cared for five Hy-line brown hens as classroom pets prior to presentation and judging of the birds and their egg laying ability as reflected in students' project worksheets at Royal Melbourne Show.

**Year 3/4 Literacy** - Celebrating 25 years of Junior Landcare, students were inspired by Heytesbury District Landcare Network at Power Creek to write a Love Letter to the Land and a Letter to a Tree. Letters were later shared on the Visit 12 Apostles Blog.

**Year 7 Economics** - Investigation of the vagaries of local business economics, especially supply and demand in times of change (e.g. Covid) and catering to a diverse range of clients. Students visited Martin's Hardware where they learnt it was important to listen to what people want and to cater for your market.



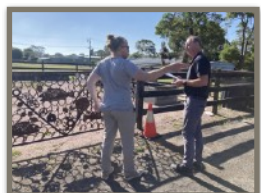
## Arrival of Farm Bots - stay tuned ...



The FarmBot robotic open hardware system will enable students to work in two gardens growing food with capacity to weed, water and soil test. Students will refine their coding skills to generate

tasks. Timboon P-12 School successfully applied to the Secondary Schools Agriculture Fund (SSAF) to integrate even more STEM learning objectives into its curriculum to inspire the next generation of farmers and today's fledgling engineers.

## Teacher PD



## Awards and Celebrations

The TAP adds value to the curriculum at Timboon P-12 and is showcased at various conferences and engaged in discussions around curriculum and careers. Some examples from this year are:



'TAP into Farm Safety' part of the Victorian Farmers Federation (VFF) Podcast series- Making Our Farm Families Safer campaign.

'TAPbuilt: A community of educators' Primary Industries Education Foundation Australia, (PIEFA) Conference, Canberra, May 2023

'Fit for Trade Girls Expo' to explore world of work, Neil Porter Legacy (NPL), Melbourne, May 2023

Career exploration Iona gas plant for female students with Neil Porter Legacy (NPL), September 2023

*Once again, we would like to thank the Gall, Uebergang, Vedmore and Alan Lane Foundations for their support of the TAP in 2023.*

For more information contact  
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or go directly to the TAP blog:  
[timboonagproject.weebly.com/tap-blog](https://timboonagproject.weebly.com/tap-blog)