

SLE352 Community Science Project

INFORMATION ABOUT THE UNIT

The unit team



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Unit offered on the Burwood and Geelong campuses

About the unit

SLE352 is a unit in the suite of Professional practice units offered by the School of Life and Environmental Sciences

It is a core unit for students completing the:

Bachelor of Science

Other students take it as an elective

What I am going to do with my degree when I graduate?

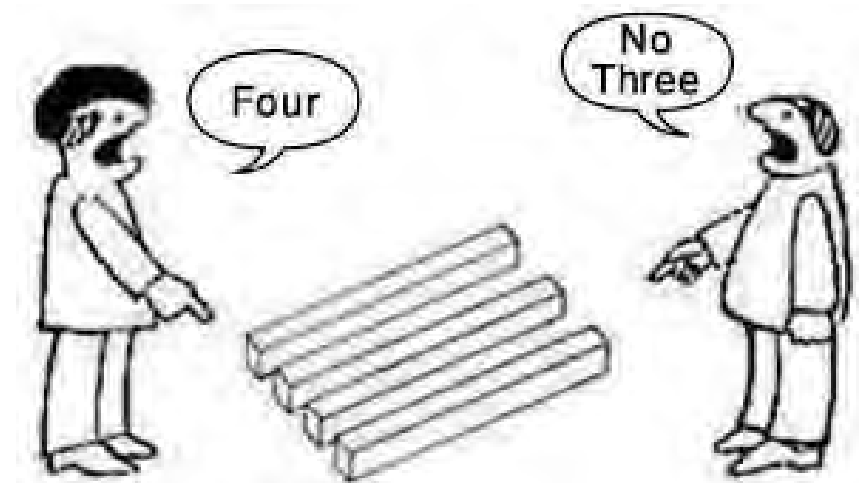
The BSc is a broad based science degree

Allows for a lot of flexibility and choice

BUT

Direct career paths can be hard to “see”

Becoming increasingly important to build your skill set and then be able to TRANSFER / APPLY those skills.



SLE352 is about helping you build a better you



Explore unrelated skills

Tom Peters, best known for *In Search of Excellence* once said, “A career is **a portfolio of projects that teach you new skills, gain you new expertise, develop new capabilities, grow your colleague set, and constantly reinvent you as a brand.**”

Improving your skills may mean **spending time with other departments, mentoring others, passing on your knowledge, leading a cross-functional project** or a major fundraising initiative

Developing other skills also mean attending conferences, joining webinars, participating in industry workshops, reading relevant books, finding mentors, asking for feedback from people whose skills or career you wish to emulate.

It could also mean **reviewing past performance**, talking to your manager or colleagues about how you can be better. Look for opportunities that offer wider personal leadership contributions.

As a member of a team you will:

Experience working with an organisation on a project as a member of a team

Get an opportunity to showcase your skills and expertise to an organisation

Develop your own skills and capabilities

Unit is different to perhaps others that you have completed.

- We don't deliver content of a discipline topic
- Provide support for the assessments
- Provide opportunities to enhance your capabilities and skills – aiming to increase your employability.

Unit has a focus on developing:

Communication and Teamwork Skills

WHY are these skills important?

Communication and teamwork skills are the skills most highly sought after by employers of graduates



*Source AAGE "Graduate Skills" Survey

For SLE352 you will complete a [project](#).



What is the difference between a project and a placement?

A work placement:

- Work with others in an organisation.
- Build work ready professional capabilities.
- You have a supervisor in the workplace who provides day to day supervision and who assesses your performance during the placement.
- Is done at the workplace.



What is the difference between a project and a placement?

A project:

- work with others on a task for a client.
- Is not completed at the organisation or workplace although may involve visits to the workplace/organisation to consult with the client.
- Students do not have a work place supervisor. Instead you have a client who you meet project deliverables for.

Questions:

Do I have to source my own project?

Do I have to find my own team?

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Do I have to find my own team?

No – the unit team will source enough projects for all students

You form teams based on your successful application to a project.

Questions:

Can I source my own project and my own team?

Yes but the project must be approved by the unit team and completed during T1.

Is the unit just about completing a project to the client satisfaction?

Is the unit just about completing a project to the client satisfaction?

This is certainly part of it.

Project duration is approx. 6 weeks (week 4 to Week 10)

It is also about:

- Reflection of your learning
- Identifying evidence to support your skill set
- Being able to articulate your experiences into evidence

**Building
a
better
you**

All projects are advertised on the:

- SLE352 CloudDeakin Unit site

First Task – apply for a position for a project

Applications for projects are due **Thursday of Week 1 of trimester 1**

Making a bid for a project:

- Individual bids



- Pair bids



In the initial application - list your first two project preferences either individual or as a pair.

Projects for 2019

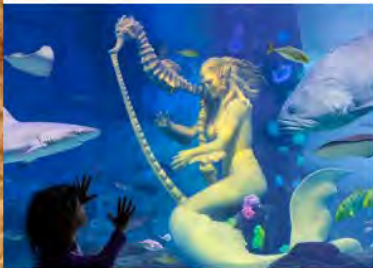
NEW PROJECT LISTING

2019 SLE352 Project Advertisements

Choose your first and second preferences from the projects listed

32. Total Bacteria counts in aquarium systems

NEW project listing



32. Total Bacteria counts in aquarium sy...
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30 Volunteering - What works? What Does'nt? Fish Care Victoria

Updated



Volunteering What Works What doesn't Fi...
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31. Beetles in the Otways



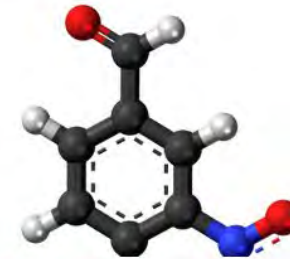
Beetles in the Otways
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1. Cengage: Mindtap Mastery Project



1. Cengage Learning Mindtap
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2. Chemistry concepts: Building blocks for 1st year students



2. Chemistry Concepts - Building blocks...
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padlet drive

3. Chemistry Community Network



3. Chemistry Community Network
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8. Cells and Genes: Design a practical class



8. Cells and Genes Design a Practical Cla...
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9. Drilling for oil - Torquay Museum Without Walls



9. Drilling for Oil_TMWW
Word document

4. Compostability of biodegradable plastic bags



4. Compostability of biodegradable plast...
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5. Creativity: what is it and why is it so sought after in the workplace?



5. Creativity
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padlet drive

7. Physiology: Design a practical class



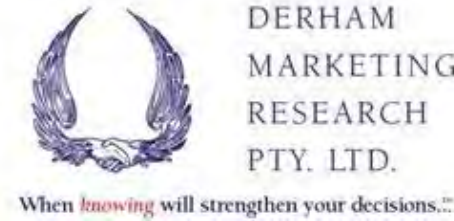
7. Physiology - Design a Prac
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6. Deakin Hallmarks: Employability credentials

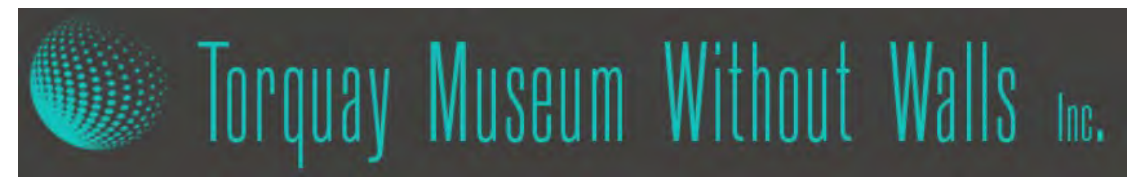


6. Deakin Hallmarks Employability Crede...
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Clients for 2019



What have students achieved by
doing the projects?

Some examples



SURFING THROUGH STONE

A history of fossils along the Surf Coast

Written by
DEAKIN UNIVERSITY STUDENTS

- Moya Kyd
- Erin Dohmann
- Ryan Sanchez
- Anaisa De Young

When walking along the beautiful coast of Torquay right under our feet lies a surplus of information about life from the past. For decades this Surf Coast area, from Point Impossible through to the Crays, has been known to palaeontologists as a significant source of fossils across a range of time periods.

From dinosaurs to massive marine mammals, the constant natural erosion of the shoreline regularly reveals treasures rich in historical significance from the ancient past, all from our amazing little part of the world.

What's interesting is that these discoveries are usually found by local surfers and residents of Torquay who know these beaches and can notice incredibly subtle differences between rock and fossilised bone. Amazing finds from local surfers like Craig Baird

(2017), Vestin Griffiths (2016, 2018) and Charles Brooks (2008) have brought Dr. Erich Fitzgerald and the team from Melbourne Museum down to Torquay and Jan Juc multiple times.

Curator of Australian National Surfing Museum Craig Baird, together with his girlfriend Yumi Morishita and border collie Belle, found a fossilised whale rib encased in stone at North Torquay beach. The rib was about 500mm long and slightly wider than the average thumb, something that could have easily been overlooked. As fate would have it, Craig and Yumi while walking their dog Belle, just happened to come across it. Craig happened to notice the fossil when Belle didn't chase after the ball. So, of course, Craig had to fetch the ball, and when he was reaching down to pick it up, something caught the corner of his eye. Little did Craig and Yumi know how important their discovery would be.

There was only a small window of time that the rib was not under water, it was lucky timing on Craig and Yumi's part that they discovered it when they did. Nowadays the fossil is permanently under water and sand, but luckily Craig has some quality photos of the amazing find. Craig notified palaeontologist Dr. Erich Fitzgerald as he believed "it is better [for fossils] to end up with people who know the story". From this discovery, palaeontologists were able to find other fossils nearby.

20 years before Craig and Yumi's discovery, a fossilised skull was discovered by teenage surfer Shaun Hunder in 1997. From this fossil, palaeontologists concluded that this was a discovery of a new species, later named the Janjucetus hunderi (Janjucetus stems from Jan Juc and hunderi from the founder's surname).

Whales are close relatives of hoofed mammals and were thought to have been amphibious organisms that could walk 50 million years ago. The transformation from land to total aquatic existence occurred in less than 10 million years, which is a minute amount of time on the geological scale. The clues to this evolutionary transformation have been aided by local findings in the Surf Coast region.

The Janjucetus is thought to be an early evolution of modern Baleen whales such as the blue whale. The Janjucetus hunderi is an ancient whale that had incredibly sharp teeth and was approximately 3.5 metres long. The teeth of the Janjucetus are thought to be sharper than a lion's. This skull is on display in Melbourne Museum and provides great insight for palaeontologists.

Page 22 | Page 29 |

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Advancing Science and Engineering through Laboratory Learning for Schools – Victoria

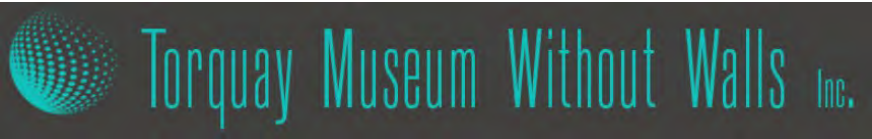
A Deakin University weblog

Balloon Car

Students build and create a balloon model car, which they will then modify to perform at its best. They can then test the effect of changing the type of balloon used for the car, the surface the car travels on and the effect of adding differing weights to the model car to determine the optimum weight.

Student	Student	Student	Teacher	Technical
Investigation	Investigation	Construction	Notes	Notes
(PDF)	(Word)	Instructions		

Pdf proof of our published article for the History Matters magazine september 2018 issue. (History Matters, September edition 2018)





Litter Warriors

Saving our oceans
one piece at a time!

www.fishcare.org.au



Mascot Design

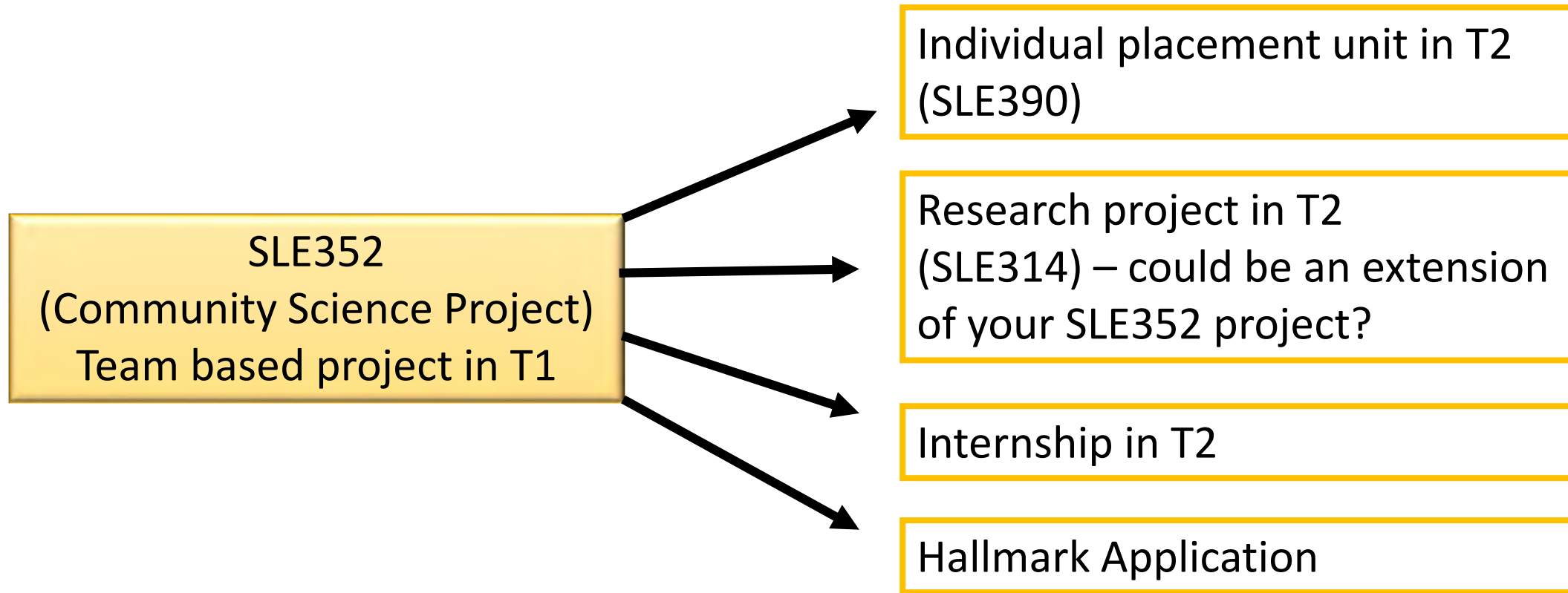
Colouring Outline



Presenting on live radio – 3RRR

Change of trimester of offer from T2 to T1 from 2019

Has allowed students to:



Assessment overview

(Project Outcomes and Performance Review)

Apply for a project



Setting project goals



Complete the project
(Week 4 – Week 10)

Team presentation

Community Science Forum



Report on Project Outcomes

(a) Self-review of employability skills

(b) Self-review of your presentation

(c) Self-review of your learning



Showcasing your skills with evidence

Self and peer assessment



Modifier?



Client Evaluation



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