



Educational Partnerships

INFORMATION FOR PARTNER SCHOOLS

Curriculum, Careers and Community

2023

ACKNOWLEDGEMENT OF COUNTRY

La Trobe University acknowledges that our campuses are located on the lands of many traditional custodians in Victoria. We recognise their ongoing connection to the land and value their unique contribution to the University and wider Australian society. We are committed to providing opportunities for Indigenous Australians, both as individuals and communities through teaching and learning, research and community partnerships across all of our campuses. La Trobe University pays our respect to Indigenous Elders, past, present and emerging and will continue to incorporate Indigenous knowledge systems and protocols as part of our ongoing strategic and operational business.

Disclaimer: The information contained in this publication is indicative only. While every effort is made to provide full and accurate information at the time of publication, the University does not give any warranties in relation to the accuracy and completeness of the contents. The University reserves the right to make changes without notice at any time in its absolute discretion, including but not limited to varying admission and assessment requirements, and discontinuing or varying courses. To the extent permitted by law, the University does not accept responsibility of liability for any injury, loss, claim or damage arising out of or in any way connected with the use of the information contained in this publication or any error, omission or defect in the information contained in this publication.

Table of Contents

A Letter from the Academic Director,	2
Widening Participation	2
1. Welcome to Educational Partnerships	3
<i>Our Team</i>	<i>3</i>
<i>Our Mission.....</i>	<i>3</i>
<i>Our Funding.....</i>	<i>3</i>
2. Curriculum, Careers and Community	4
<i>Curriculum.....</i>	<i>4</i>
<i>Careers.....</i>	<i>4</i>
<i>Community.....</i>	<i>4</i>
3. Raising Achievement, Informing Aspiration and Demystifying University	5
4. Our Partnership Offer	6
1. <i>Curriculum: Achievement focussed Academic Outreach.....</i>	<i>7</i>
Year 7 and 8	7
Year 8 and 9	7
Year 10.....	8
2. <i>Careers: Capacity-Building and Connecting with Further Education.....</i>	<i>9</i>
Year 7 and 8: I Discover and I Explore	9
Year 9 and 10: I Focus and I Plan.....	10
Year 11 and 12: I Decide and I Apply	11
3. <i>Community: On Campus Activities</i>	<i>12</i>
5. Additional Programs.....	15
<i>La Trobe Pathway Program (Albury-Wodonga and Shepparton):.....</i>	<i>15</i>

A Letter from the Academic Director, Widening Participation

La Trobe University's enabling Act sets out our commitment to quality and equity in its Preamble:

La Trobe's founding mission was, and remains, to serve the community of Victoria for the purposes of higher education, for the education, economic, social and cultural benefit of Victorians and for wider Australian and international communities.

From inception, La Trobe has been particularly focussed on providing access to quality higher education to those from disadvantaged backgrounds and has become an internationally recognised leader in this field.¹

La Trobe is committed to ensuring that rural, regional and remote (RRR) Australians and those from educationally disadvantaged and low SES backgrounds can participate in excellent higher education. Our students are supported to graduate from our metropolitan and regional campuses to contribute to the social and economic welfare of their communities. Equity and growth in participation by students from all backgrounds is central to La Trobe's mission, enabled by the ethos, 'One university, many communities.'

La Trobe is a multi-campus university covering central and north-eastern Victoria with campuses at Albury Wodonga, Bendigo, Mildura and Shepparton – as well as our central campus in Bundoora, Melbourne, and a new campus in Sydney. La Trobe is a state leader in serving rural and regional students with over 7000 students from RRR areas studying at our campuses. One in five La Trobe students come from a low SES background, and many are members of multiple equity groups.²

Our partnerships and pathways reflect these ongoing commitments. Working with schools, we seek to inspire students and increase achievement. We have created new pathways in which students can experience university, develop academic skills, and receive early conditional offers to La Trobe while still at school. These pathways are unique in avoiding reliance on ATAR while raising academic rigour.

Outlined in this handbook, our programs and activities support development of academic skills, life interests, and career options. Every student has different strengths, and we will promote and recognise these diverse contributions. Our partnership programs are evidence-based, student-centric, and collaborative. We work with partner schools to develop programs that support school priorities, and complement and support school curricula. We seek to empower students and include their voice in the design of activities.

Our partnerships with schools through our Educational Partnerships Program seek to break the barrier between school and university. Smoother integration between the school and university settings means that the students can visualise how their aspirations, abilities and achievements in school form clear pathways to future tertiary and higher education outcomes. University need not be a mysterious post-school destination that 'other people do.' Through our partnerships with schools we seek to *demystify university by doing university*, so students know this pathway is 'for people like me.'



Associate Professor Emmaline Bexley

Academic Director, Widening Participation
Office of the Provost

¹ La Trobe University Act 2009.

² Department of Education and Training Selected Statistics, 2017.

1. Welcome to Educational Partnerships

La Trobe University has a long and proud history of collaborating with schools across our metropolitan and regional communities. This handbook showcases our innovative programs that have been developed both to expose secondary students to higher education, and to work with schools more broadly to improve students' academic preparedness and achievement. In alignment with Victorian and New South Wales Curricula, activities will enhance the learning experience through disciplinary-based sessions, as well as build capacity while exploring and cultivating students' diverse strengths and interests.

Our Team

Our Educational Partnerships team is comprised of education and equity professionals including former secondary school teachers, researchers, equity specialists, academics and university lecturers. We oversee and facilitate programs which serve to build achievement and demystify university through both academic and immersion-focussed sessions.

The Educational Partnerships program sits within La Trobe University's Widening Participation division and works closely with equity research experts to ensure our programs and resources are evidence-based for improving access and achievement levels of under-represented students at university.

Our Mission

La Trobe University's Student Equity and Diversity Plan informs the mission of Educational Partnerships. Opportunity is central to the University's mission. By expanding our presence within schools and communities, we will attract new groups of students, including those from out-of-home care and refugee backgrounds. Our outreach programs will explicitly raise academic achievement and expectations, both motivating and preparing students for higher education. Financial support will target those in need, and we will engage parents, carers, and communities to broaden access for Indigenous, regional, and first-in-family students.



Our Funding

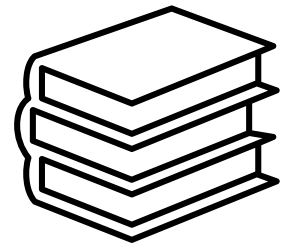
Our funding includes the Commonwealth's Higher Education Participation and Partnerships Program (HEPPP). HEPPP aims to ensure that Indigenous Australians and those from low socio-economic (SES) and/or regional backgrounds who have the desire and ability to study at university have the opportunity to do so. HEPPP provides funding to assist universities to undertake activities and implement strategies that improve access to undergraduate courses for these students, as well as improving their university retention and completion rates.

2. Curriculum, Careers and Community

Educational Partnerships is founded on three interconnected areas: curriculum; community; and careers. Recent research has demonstrated the benefits of a whole-of-student approach to elicit positive behaviours for both academic and longer-term success.³

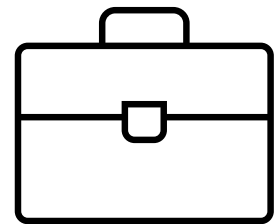
Curriculum

- Academic-based outreach with a university flavour;
- Alignment with Victorian/NSW Curricula
- Programs that prepare students to undertake a university experience in their senior years through one of our unique pathways. These pathways embed university study into the curriculum for a supported transition into higher education.



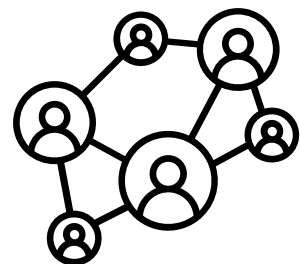
Careers

- Alignment of programs with the relevant careers' framework;
- Incorporation of our industry partners;
- Exposure to employability skills and the changing nature of work, and demystifying university and further education qualifications.



Community

- University presence at school events;
- Hosting schools at La Trobe campuses to provide students the opportunity to experience the La Trobe community.
- Collaboration with local organisations to jointly host outreach events.



³ Cox, S., & Naylor, R. (2018). Intra-university partnerships improve student success in a first-year success and retention outreach initiative. *Student Success*, 9(3). 51-64. doi: 10.5204/ssj.v9i3.467

3. Raising Achievement, Informing Aspiration and Demystifying University

We believe that the best way to demystify university for young people is to give them the opportunity to 'do university' while they are in school. Our sequential, engaging activities are designed to broaden and inform students' post-school aspirations, familiarise them with the skills they'll need to succeed should they choose university as a post-school option, and raise academic achievement. These activities lay the foundation for students to take part in a suite of innovative university pathways in senior school.

At La Trobe, we understand that the ATAR is just one pathway to university. Our research shows that the best predictor of success at university is participation in university learning while at school. These kinds of activities are common overseas,⁴ but under-utilised in Australia. Our ground-breaking, evidence-based pathway programs provide all students with the opportunity to experience university and demonstrate their ability in a way that suits them. Students participating in these programs can receive an early conditional offer for their La Trobe course. That means we'll hold their spot – it is guaranteed as long as they meet the entry requirements and successfully complete Year 12 - and students will know if they have a place at university in September or even earlier.

Aspire Early University Study: Flexible pathways into uni that give students the opportunity to experience university while in school. For each program, La Trobe uses students' average mark to calculate a La Trobe Entrance Score, which students can use instead of an ATAR. If students receive an ATAR, we'll use whichever score is higher. The Early University Study stream has two options:

- **Aspire Prepare:** Suitable for Year 11 and/or 12 VCE, HSC, ungraded VCE and VCE-VM students. Students study three or six micro-subjects alongside their schools studies. This program is 100% free and online. For more information, visit the [Aspire website](#).
- **Aspire Advance:** Study one first year undergraduate subject from La Trobe alongside Year 12 studies. This program is 100% free and online. For more information, visit the [Aspire website](#).

Aspire Achieve Plus: Suitable for scored VCE students only. Students' study two La Trobe University subjects in Year 12 as part of VCE, counting as a 5th/6th study and eligible for an ATAR bonus, subject to performance. We'll also use students' average mark to calculate a La Trobe Entrance Score, and use that or their ATAR – whichever is higher - when they apply for eligible La Trobe degrees. This program is 100% free and online. For more information, visit the [Aspire website](#).

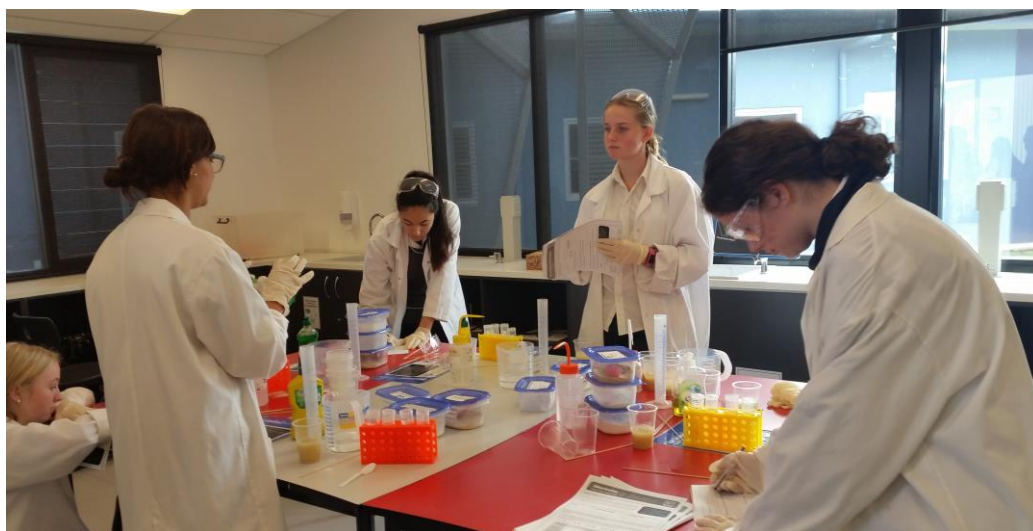
Aspire Community Contribution: Suitable for students who have volunteered or held a community or leadership role during the past few years. This could include, for example, coaching a sports team or being a regular volunteer at their local nursing home, or even those who go above and beyond to help their family. *Aspire Community Contribution* students are eligible for early conditional offers before Year 12 exams, as well as access to revision lectures, study guides and Aspire Scholarships. For more information, visit the [Aspire website](#).

Aspire Year 11 Conditional Entry: This program uses students' performance in year 11 to secure an early conditional offer into a range of courses at La Trobe. Once a place is secured at La Trobe students can take advantage of other *Aspire* pathways to unlock access to the Uni's most prestigious courses.

RISE with La Trobe: A culturally adept academic pathway to La Trobe University for Indigenous high school students. *RISE with La Trobe* supports and prepares Indigenous students for future university study. For more information, visit the [RISE with La Trobe website](#).

⁴ In the United States, around one third of senior high school students are engaged in a university study experience. Thomas, N., Marken, S., Gray, L., & Lewis, L. (2013). Dual Credit and Exam-Based Courses in US Public High Schools: 2010-11. First Look. NCES 2013-001. National Center for Education Statistics.

4. Our Partnership Offer



Outreach programs have the most impact when they are delivered in a consistent and sustained way. The below outreach areas reflect our ideal approach to engaging with secondary school students to support their exposure to a diverse range of further education, skills and career options. This model follows a sequential, formative pathway throughout secondary school, empowering students to make informed decisions about their educational and vocational futures.

The tables on the following pages detail the three areas of outreach that we offer to schools to build capacity, inform aspiration, and support our pathways: “Classroom” model, which consists of curriculum-based programs; “Careers” sessions that inspire achievement exploration and exposure to post-school options including careers, TAFE/VET and university; and “Community”, encompassing other extra-curricular areas where our partnership with schools can be embedded within the school community.

Our Model

	Years 7 to 10	Years 11 and 12	
Careers and community	Informing aspiration		
Curriculum	Raising achievement		
Connect to Uni		Aspire Achieve Plus Aspire Community Contribution	<< Scored VCE/HSC/IB only
		Aspire Early University Study Aspire Year 11 Conditional Entry	<< Scored or unscored VCE/HSC/IB VCE-VM

1. Curriculum: Achievement focussed Academic Outreach

Year 7 and 8

Introduction to Archaeological Science

Duration: 2 hours total; 2 teacher facilitated lessons; 1 LTU facilitated lesson.

Learning Area: Science

Delivery Mode: Online or on campus at Bundoora

Resources Supplied: Video lecture, video case studies, worksheet, glossary, unit plan, lesson structure guide, and teacher notes.

Availability: Term 1 - Term 4 (by negotiation)

Designed as a mini unit plan, this program provides teachers with resources for teacher-led lessons, followed by a live workshop with La Trobe Archaeologists. This is a curriculum aligned unit of work designed for the online learning environment. It combines video resources and activities for schools to tailor and facilitate at their own pace, followed by a live Q&A with a La Trobe Archaeology expert. This unit explores the importance of collaboration in scientific endeavour, using the practical example of an archaeological dig. Students are introduced to Archaeology as a multidisciplinary field, with particular focus on zooarchaeology (biology), geophysics (physics), and archaeobotany (chemistry).

Year 8 and 9

Pesky Pathogens

Duration: 1 – 1.5 hours

Learning Area: Science

Suitability: Year 7 – 10

Delivery Mode: On campus at Bundoora

On campus or Online

Availability: By negotiation

Students explore infectious diseases; learn which pathogens cause them, how they are transmitted, and which have vaccines for prevention. They will also consider the relevance of public measures (e.g., masks vaccination, social distancing) as the world experiences a pandemic.

What's in a Shampoo?

Duration: 1.5 - 2 hours

Learning Area: Science

Maximum number of students: 30

Delivery Mode: On campus at Bundoora

Resources Supplied: Student/teacher notes, risk assessments, all materials.

Availability: By negotiation

Students are introduced to the science and methodology of formulating shampoos. The workshop covers the physiology of hair and skin, an explanation of such concepts as pH and hard water qualities, the major classes of ingredients used, the origin and properties of raw materials used and the role of preservatives. Students also learn about the manufacturing process from laboratory to commercial sale. They go home as smarter consumers with an informed awareness of the science of hair care - and a take-home sample of their own shampoo preparation

Creative Writing

Learning Area: English

Delivery Mode: School incursion or online

Availability: Term 1 - Term 4

Duration: 4*50-minute workshops (optional pre and post classroom time at school's discretion)

Resources Supplied: Student handouts.

Maximum Number of Students: 30

Curriculum aligned, flexible unit of work giving students the opportunity to learn creative writing techniques and devices from a La Trobe University academic, adapted from undergraduate content. The unit consists of 4 modules covering Character; Setting; Plot; and use of language. Each of these are presented by La Trobe University lecturer and award-winning author, Dr Paddy O'Reilly. Each of these modules have accompanying activities, including writing prompts, to scaffold the development of writing skills. Students should begin the modules with an idea for a short story, and finish with not only a sophisticated plan for this piece of writing, but also having learned transferable planning techniques and writing skills.

Year 10

Forensic Frenzy

Learning Area: Science

Delivery Mode: On campus at Bundoora or online with teacher facilitation

Availability: Term 1 - Term 4 (online); By negotiation (on campus)

Duration: 1.5 - 2 hours

Resources Supplied: Student/teacher notes, risk assessments.

Maximum Number of Students: 24 (on campus)

A crime has been committed. The case is being investigated by police and various pieces of evidence have been collected. In this interactive workshop, students draw valid conclusions from evidence analysed using paper chromatography, microscopy, forensic tests for blood, and DNA profile analysis. Students assess the evidence to assist the police investigation and determine who committed the crime.

Creative Writing

Learning Area: English

Delivery Mode: School incursion or online

Availability: Term 1 - Term 4

Duration: 4*50-minute workshops (optional pre and post classroom time at school's discretion)

Resources Supplied: Student handouts.

Maximum Number of Students: 30

Curriculum aligned, flexible unit of work giving students the opportunity to learn creative writing techniques and devices from a La Trobe University academic, adapted from undergraduate content. The unit consists of 4 modules covering Character; Setting; Plot; and use of language. Each of these are presented by La Trobe University lecturer and award-winning author, Dr Paddy O'Reilly. Each of these modules have accompanying activities, including writing prompts, to scaffold the development of writing skills. Students should begin the modules with an idea for a short story, and finish with not only a sophisticated plan for this piece of writing, but also having learned transferable planning techniques and writing skills.

2. Careers: Capacity-Building and Connecting with Further Education

Year 7 and 8: I Discover and I Explore

Session	Rationale	Practical Considerations
UniBuddies	University can seem like a strange place to students. It has different rules, expectations, and language to school. UniBuddies aims to demystify university by introducing school students to real-life university students. By hearing from and asking questions of university students, school students learn what university is like, and envision themselves as undergraduates.	<i>Time:</i> 45-60 minutes <i>Location:</i> Flexible
Race Around La Trobe and Campus Bingo	Students use their analytical skills to discover clues and navigate around a university campus. They answer questions about university life and facilities, with prizes for the winners. Students are not only familiarised with university, but also discover some of the ways that universities are different to schools.	<i>Time:</i> 45-60 minutes <i>Location:</i> Any La Trobe University campus
Graduate Game	Students play through the 'Graduate Game', identifying what they already know and what they might need to learn about undertaking university study. This includes information not only about getting to university but also successfully navigating an undergraduate degree.	<i>Time:</i> 30 minutes <i>Location:</i> Flexible
Leading, Lifting, Learning	Designed for SRC and leadership students, this session encourages students to lead by example, lift those around them and learn from each other to empower their peers and develop student voice by creating a survey based on an area they deem needs improvement at their school. The session was designed in collaboration with La Trobe Business School and should be delivered by business students. The session culminates with an invitation to campus.	<i>Time:</i> 1-hour initial session, followed by campus visit at La Trobe (by negotiation) <i>Location:</i> Online/Bundoora
Enterprise Skills	Hands-on activities involving enterprise skills and personal attributes. University student facilitators outline how they have developed some of their own skills and attributes throughout their learning journeys. Students are helped to identify their own strengths, and ways to improve their enterprise skills before, and during, work experience.	<i>Time:</i> 45 minutes <i>Location:</i> Any La Trobe University campus and on-site at school
Future World: Future You	There are lots of different jobs, but not all will be helpful when we live on Mars! Students are given a hypothetical scenario and a pool of various occupations to choose from that are relevant to the 21st century. By considering the skills and abilities used in different future-focused jobs, students learn about unfamiliar occupations, professions at low-risk of automation, and the importance and prevalence of transferable skills.	<i>Time:</i> 45-60 minutes <i>Location:</i> Any La Trobe University campus or on-site at school

Year 9 and 10: I Focus and I Plan

Session	Rationale	Practical Considerations
Career Conversations	Why go to university? There are many reasons, and no one better to explain them than actual university students! Students will meet some current La Trobe students, and discover what it is like to study there, as well as the opportunities and support a university provides. They will also learn about some of the key terms for accessing university, including ATARs, prerequisites, and pathways.	<i>Time:</i> 45-60 minutes <i>Location:</i> Flexible
Leading, Lifting, Learning	Designed for SRC and leadership students, this session encourages students to lead by example, lift those around them and learn from each other to empower their peers and develop student voice by creating a survey based on an area they deem needs improvement at their school. The session was designed in collaboration with La Trobe Business School and should be delivered by business students. The session culminates with an invitation to campus where students can present their findings using the facilities at the Business School.	<i>Time:</i> 1-hour initial session, followed by campus visit at La Trobe (by negotiation) <i>Location:</i> Online/Bundoora
Enterprise Skills	Students undertake short activities and reflect on the enterprise skills and personal attributes required to succeed in them. University student facilitators outline how they have developed some of their own skills and attributes throughout their learning journeys. Students are helped to identify their own strengths, and ways to improve their enterprise skills before, and during, work experience.	<i>Time:</i> 45 minutes <i>Location:</i> Any La Trobe University campus or on-site at school
Career Pitch	What do you want to do when you finish school? Modern students will likely have many roles, across different industries in their careers. Students will develop a deep and comprehensive answer to this question, connecting their skills, abilities, and values to a range of possible 'career clusters'. They will identify not only potential careers of interest, but also some of the next steps required to get there.	<i>Time:</i> 1 hour to a full day <i>Location:</i> Flexible
Why Can't I Google It?	Google doesn't always provide us with the right or the best information. Explore the results of different online searches, discover online resources, credibility and how to evaluate an internet resource. Adaptable for several school contexts, this session provides students with tools to locate credible and appropriate sources for a variety of research needs.	<i>Time:</i> 45-60 minutes <i>Location:</i> Any La Trobe University campus or on-site at school
Future World: Future You	There are lots of different jobs, but not all will be helpful when we live on Mars! Students are given a hypothetical scenario and a pool of various occupations to choose from that are relevant to the 21st century. By considering the skills and abilities used in different future-focused jobs, students learn about unfamiliar occupations, professions at low-risk of automation, and the importance and prevalence of transferable skills.	<i>Time:</i> 45-60 minutes <i>Location:</i> Any La Trobe University campus or on-site at school

Study Skills	<p>Successful study is not as simple as re-reading information to try to memorise it. This workshop teaches students a range of tips and techniques that support effective study practices, including revision and note-taking. Students will be encouraged to use these skills to become independent learners. A series of modules can be booked which address:</p> <ul style="list-style-type: none"> • Effective learning • Stress management • Apps for study • Time management • Goal setting • Revision planning 	<p><i>Time:</i> 30 minutes to a full day</p> <p><i>Location:</i> Flexible</p>
---------------------	--	---

Year 11 and 12: I Decide and I Apply

Session	Rationale	Practical Considerations
Prepare for La Trobe Information Session	This session outlines the 'Prepare for La Trobe' pathway, an alternate way to gain entry to La Trobe without needing an ATAR score. The presentation covers the benefits of the program, how it works, what students will study, and how this can lead into an undergraduate course. It also gives them the opportunity to ask questions to better inform the decisions they make about their further study options.	<p><i>Time:</i> 30-60 minutes</p> <p><i>Location:</i> Flexible</p>
Prepare for Uni Events	How to prepare to get the most out of your university visit. Tertiary Information Days, Open Days or Campus Visits - how do you know what to look for, or what questions to ask? We'll help you prepare so that you can confidently get the most out of your visit.	<p><i>Time:</i> 20-45 minutes</p> <p><i>Location:</i> Flexible</p>
Leading, Lifting, Learning	Designed for SRC and leadership students, this session encourages students to lead by example, lift those around them and learn from each other to empower their peers and develop student voice by creating a survey based on an area they deem needs improvement at their school. The session was designed in collaboration with La Trobe Business School and should be delivered by business students. The session culminates with an invitation to campus where students can present their findings using the facilities at the Business School.	<p><i>Time:</i> 1-hour initial session, followed by campus visit at La Trobe (by negotiation)</p> <p><i>Location:</i> Online/Bundoora</p>
Study Skills	<p>Successful study is not as simple as re-reading information to try to memorise it. This workshop teaches students a range of tips and techniques that support effective study practices, including revision and note-taking. A series of modules can be booked which address:</p> <ul style="list-style-type: none"> • Effective learning • Stress management • Apps for study • Time management • Goal setting • Revision planning 	<p><i>Time:</i> 30 minutes to a full day</p> <p><i>Location:</i> Flexible</p>

3. Community: On Campus Activities

Educational Partnerships can host your students on campus, and provide them the opportunity to experience university life, and take part in a variety of activities and workshops. Below are some of the opportunities available at Bundoora and Bendigo. On campus visits can include workshops from multiple disciplines. We welcome all our partner schools to discuss with La Trobe staff what disciplines suit their need.

BUNDOORA	Podiatry Visit our podiatry school and take a foot cast, and assess blood-flow and soft-tissue structures using a doppler and diagnostic ultrasound. <i>Duration: 45 minutes -1 hour</i> <i>Suitability: Year 7 – 10</i> On campus only	Campus Tour Book a tour to check out our state-of-the-art facilities. <i>Duration: 45 minutes -1 hour</i> <i>Suitability: Year 7 – 12</i> On campus only	Wildlife Sanctuary – Tour only Take a tour of our Wildlife sanctuary investigating habitats and the role of careers in sustainability, biodiversity and biology. <i>Duration: 1 hour</i> <i>Suitability: Year 7 – 12</i> On campus only
	Sports Centre High performance sport-based training techniques including, Elite Athlete Presentations, Career Guidance, Athlete health and Wellbeing, Tour of the Sports Park. Variety of activities to assist development of teamwork, survival competency, awareness and fitness, including, water safety, rock climbing, group fitness, gym and swim <i>Duration: 1+ hours</i> <i>Suitability: Year 7 – 12</i> On campus only	Wildlife Sanctuary - Tour plus activities Visit our Wildlife sanctuary to discuss careers in sustainability, biodiversity and biology with some hands on activities to explore the habitat within the Wildlife Sanctuary. <i>Duration: 1 hour</i> <i>Suitability: Year 7 – 10</i> On campus only	Wildlife Sanctuary - VCE Visit our Wildlife sanctuary to discuss careers in sustainability, biodiversity and biology. Hands on activities include ecological investigations to assess the wetland systems health. <i>Duration: 2 hours (plus 1 hour additional tour)</i> <i>Suitability: Year 11 – 12</i> On campus only
	What's In a Shampoo? Students are introduced to simple cosmetic laboratory techniques like "making & packing". It enriches students' knowledge on a variety of ingredients that appear on labels of everyday hair care products like shampoo. What's more? Students get to take home their first formulated shampoo. <i>Duration: 1 hour</i> <i>Suitability: Year 7 – 10</i> On campus only	Pesky Pathogens Students explore infectious diseases; learn which pathogens cause them, how they are transmitted, and which have vaccines for prevention. They will also consider the relevance of public measures (e.g., masks vaccination, social distancing) as the world experiences a pandemic. <i>Duration: 1 – 1.5 hours</i> <i>Suitability: Year 7 – 10</i> On campus or Online	Media Explore our Bundoora television studios or transportable broadcasting kit available for transport to all La Trobe campuses. Learn about the industry standard equipment used in a professional news telecast. Students will have the opportunity to get in front of a camera and take on the role of a news anchor and hear what it is like to study Media and the careers. <i>Duration: 1 hour</i> <i>Suitability: Year 7 – 12</i> On every campus

<p>Archaeology Discovery</p> <p>Explore La Trobe's chimney setting and campfire dig pits, where students will learn about the basics of archaeology practice, as well as the discipline's importance to understanding our past, as well as planning for the future. In this interactive workshop students have the opportunity to take part in a dig, whilst learning about the rich and long history of Australian Archaeology and associated career opportunities.</p> <p><i>Duration: 1-1.5 hours (can also be offered as part of a multi-lesson unit of work, see page 7 of this handbook)</i></p> <p><i>Suitability: Year 7-12</i></p> <p><i>On campus</i></p>	<p>Prosthetics</p> <p>Learn about biomechanics, prosthetic and orthotic prescription, and design and fabrication of artificial limbs (protheses). Students are exposed to hook and mechanical arms to investigate and focus on consumer needs. Finally explore our on-campus fitting/consultation rooms and machine workshops and learn about Prosthetic courses at La Trobe.</p> <p><i>Duration: 1.5-2 hours</i></p> <p><i>Suitability: Year 7-12</i></p> <p><i>On campus</i></p>
--	---

BENDIGO	Exercise Science: Career Pathways Students investigate some of the potential pathways from Exercise Science and Exercise Physiology, including differences to other professionals (i.e., personal trainers and Physiotherapists). <i>Duration: 1- 1.5 hours</i> <i>Suitability: Year 10 – 12</i> On campus only	Exercise Science: Health and Fitness Assessment Students explore the importance of body mass index, arterial blood pressure, body circumference, predicted aerobic capacity to determine health status. Students do not need to undertake physical activity in this session. <i>Duration: 1- 1.5 hours</i> <i>Suitability: Year 7 – 12</i> On campus only	Exercise Science: Preparedness for Free-Weight Training This session will illustrate to students six key elements that determine their readiness to perform free-weight exercise. Students will need to engage in physical exercise for this session. <i>Duration: 1- 1.5 hours</i> <i>Suitability: Year 7 – 12</i> On campus only
	Exercise Science: Biomechanics and Movement Analysis In this session, students will learn the important of movement analysis in the prevention of knee injuries. Students will need to engage in physical exercise for this session. <i>Duration: 1- 1.5 hours</i> <i>Suitability: Year 7 – 12</i> On campus only	Exercise Science: Jump Performance This session will involve the assessment of vertical jump performance as a key indicator or physical fitness. Students will need to engage in physical exercise for this session. <i>Duration: 1- 1.5 hours</i> <i>Suitability: Year 7 – 12</i> On campus only	

REGIONAL	Media Explore our transportable broadcasting kit available for transport to all La Trobe campuses. Learn about the industry standard equipment used in a professional news telecast. Students will have the opportunity to get in front of a camera and take on the role of a news anchor and hear what it is like to study Media and the careers. <i>Duration: 1 hour</i> <i>Suitability: Year 7 – 12</i> On every campus (subject to staff availability)	Nursing Student for a Day In this session, students get the opportunity to explore Nursing as a career and experience life as a Nursing student. The session includes information on the different ways to become a Nurse, career options, Uni life as well as an engaging hands-on session in the Clinical Learning Unit working with the mannequins in a simulated hospital environment. <i>Duration: 3 hours</i> <i>Suitability: Year 7-12</i> On campus, available in Shepparton (TBC) and Mildura only

For further opportunities on our Mildura, Albury-Wodonga or Shepparton campuses, please contact your Educational Partnerships Senior Coordinator.



5. Additional Programs

La Trobe Pathway Program (Albury-Wodonga and Shepparton): This program is designed to support Year 11/12 students in selected schools within the Albury-Wodonga and Shepparton areas through their final years of secondary schooling and inspire students to further their educational study with La Trobe University. The program is a structured framework of mentoring, wellbeing workshops, academic capacity building activities and university familiarisation and preparedness workshops staged over a 14-month period. For more information, please contact pathwayprogram@latrobe.edu.au

In2Science: In2science places STEM university students into high schools as peer mentors. Over 10 weekly visits per semester, mentors build meaningful relationships with secondary students and their teachers in Year 7-10 science and mathematics classes. Mentors help to engage students in these disciplines to build confidence and inspire them to pursue STEM studies at school and beyond, with a special emphasis on students from under-represented groups (including low SES and female students). In2science partner schools are offered this free program via two delivery modes: in-class mentoring and regional online eMentoring. For more information, please visit <https://in2science.org.au/>

Get into AgSTEM: A free education program designed and delivered by Agriculture Victoria. The program comprises a suite of workshops that showcase Agriculture Victoria's research and innovation initiatives whilst meeting the needs of teachers and students through strong links with the science and technology curricula of the Victorian Curriculum and Assessment Authority. The suite includes the popular Get into Genes workshops (aligned with either Year 10 Science or VCE Unit 4), Get into Gums (aligned with either VCE Unit 1 or Unit 4), and the new Get into Digital Agriculture workshop (aligned with the Digital Technologies curriculum but providing interdisciplinary applications). Options are available for online delivery for a majority of workshops. Workbooks provided at VCE level can be used as a basis to meet School-Assessed Coursework (SAC) requirements. For more information on the free workshops please visit: www.getintoagstem.com.au

Project Feed 10 Billion: What will you be eating in 2050? Fake meat? Insects? Gene edited plants? In 2050 the world population is expected to reach almost 10 billion. Feeding this population with nutritious foods that can be sustainably produced is a huge challenge. Researchers at the La Trobe Institute for Agriculture and Food (LIAF) are finding ways to increase food production in a changing climate, growing more with fewer resources and harsher circumstances. Partner with our agriculture researchers to run learning programs that address real world challenges and using the latest equipment and technologies, STEM training and mentorship. Project-based learning activities are available for Years 9-10. Fun, engaging activities are available for primary and secondary year levels. Sample some activities at Taste Tomorrow. To find out more, please contact Dr. Kim Johnson at k.johnson@latrobe.edu.au

QUANTUM Victoria: Quantum Victoria, located on La Trobe's Bundoora campus, is a Centre of Excellence and Innovation in STEM Education and builds STEM capabilities in all students through a blended learning approach including face to face, synchronous and asynchronous outreach opportunities. Increasing student participation from disadvantaged and under-represented cohorts continues to be a priority. For more information, please visit: <https://www.quantumvictoria.vic.edu.au/about/>

Freely Accessible Remote Laboratories (FARLabs): A virtual laboratory network that will bring the state-of-the-art facilities and world-class research of Australia's Universities directly into schools to engage high-school students with science and maths nationally. For more information, please visit <https://www.farlabs.edu.au/>