

LAKE TUGGERANONG COLLEGE

2021 PROSPECTUS



LEARN | THRIVE | CONNECT



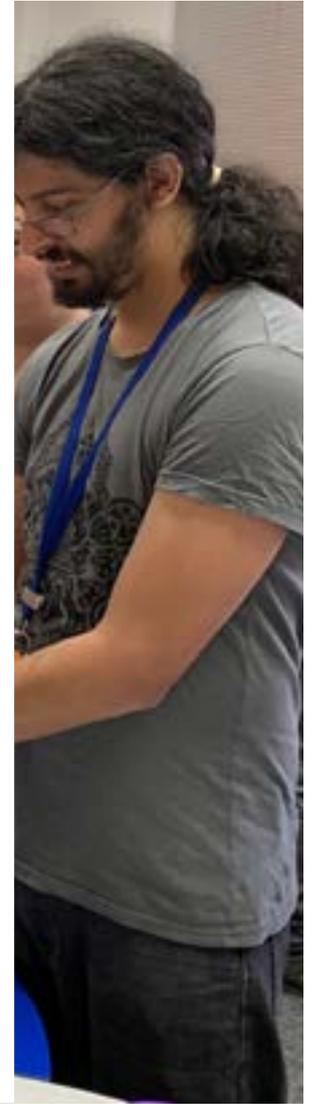
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LEARN

THRIVE

CONNECT



OUR VISION

A learning, thriving and connected community equipped to live a meaningful life.

OUR MISSION

Learn, thrive and connect today to meet the challenges of tomorrow.

OUR VALUES

Learn, Thrive, Connect.

OUR PRIORITIES

PRIORITY 1: LEARN – Develop critical and creative thinking skills in all students.

PRIORITY 2: THRIVE and CONNECT - Increase students' personal and social capability to be active learners.





PRINCIPAL'S WELCOME

Welcome to Lake Tuggeranong College. Welcome to what we believe is an outstanding educational facility. What makes it an outstanding place to learn? Lake Tuggeranong College has many of the things that educational researchers tell us are required to help equip young people for meaningful, productive and happy lives in the 21st century:

- Teachers with subject matter specialisation and teachers who actively seek to enhance their teaching skills. Our teachers know they are making a difference to the learning of their students. They are passionate about what and how they teach.
- A safe and caring learning environment constructed around the tenets of student agency and whole-of-student pastoral care. Every teacher is a teacher of wellbeing at Lake Tuggeranong College. We plan for and we deliver a wellbeing and academic progress model which radiates out from our College Life centre: every student matters and every student can succeed in our care.
- Well-resourced classrooms and learning environments. The college boasts excellent information technologies to allow students (and staff) to access the world. Specialist teaching areas are also well equipped to ensure that students experience real-world learning. Examples of this are our performing arts theatre, our technology workshops, our agriculture plot, as well as our flight simulator.
- A library facility shared with Libraries ACT, affording students the opportunity to learn how to learn and to research.
- An active student leadership presence, ensuring the voice of students is heard and is part of decision-making at the college.
- Beautifully maintained buildings and grounds, helping to make students feel proud of where they learn.

At Lake Tuggeranong College, we believe in the following - Learn - Thrive - Connect. We believe that our success as learners is intrinsically linked to our sense of wellbeing, connectedness and purpose. We enact these three values each and every day as we strive to provide an outstanding educational experience for your son/daughter.

I wish all students well in their college life and studies at Lake Tuggeranong College.

Julie Murkins
Principal

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ENROL NOW FOR 2021

Lake Tuggeranong College invites parents and carers wishing to enrol their son or daughter at LTC for 2021 to visit the LTC website or the ACT Education Directorate website and complete the *Online Enrolment Application form*.

www.ltc.act.edu.au

www.education.act.gov.au

[specifically -

<https://www.education.act.gov.au/public-school-life/enrolling-in-a-public-school>]

For more information regarding Priority Enrolment Areas or general enrolment queries, please refer to the websites listed, or call us on (02) 6142 3660.

HOW TO ENROL/TRANSFER

Applications for enrolment or transfer to Lake Tuggeranong College for 2021 are welcome using the Education Directorate online enrolment/transfer form.

To view the application timeline and enrolment policies, please visit the LTC website or www.education.act.gov.au.

CONNECTING WITH LTC

The college has a dedicated Outreach and Communications team which works closely with the Principal to provide a strategic and an operational approach to the way we connect with our families.

In addition to key events focused on providing families with information and contact time with college staff, we make the most of social media in our communications.

ONLINE AND DIGITAL COMMUNICATIONS

PUBLIC WEB SITE

The public online 'face' of Lake Tuggeranong College can be accessed at www.ltc.act.edu.au – this site comprises broad information about the college with links to important forms including the LTC timetable, semester planner, unit outlines and weekly notices.

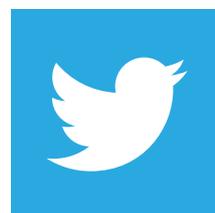
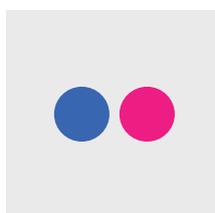
LIVE BLOG

Instead of a newsletter the college hosts a blog. This provides in-the-now updates and student success stories as they happen. You can find the blog at www.laketuggeranongcollege.wordpress.com
Please follow us to receive notifications and news.

EVENTS

Our Events calendar includes formal activities organised by the college for the purpose of connecting with our families and partners. Events are advertised on our webpage, blog and via regular notices to families. Events include:

- Year 11 Family Meet'n'Greet
- Course Selection evenings
- Parent-Teacher evenings (one per semester)
- Information Night (also known as Open Night)
- AST Briefings for Year 11 families
- Success Assemblies (parents invited) throughout the year
- Year 12 Brunch
- College Graduation
- Year 12 Formal
- Year 11 Awards Afternoon
- The Arts Festival
- Drama Productions
- Sport events
- Learning Area Expos



LTC 2021 PROSPECTUS WELLBEING AT LTC

COLLEGE LIFE

OUR WELLBEING AND ACADEMIC PASTORAL CARE CENTRE

Wellbeing and progressing towards a Senior Secondary Certificate or equivalent, drives the work of our 'College Life' teams.

Our College Life structures are as follows:

The college population (staff and students) is arranged across four similar sized groupings. There are two Year 11 and two Year 12 groups. Students are arranged by surnames, as follows:

Surname starting A-K

Surname starting L-Z

Each of these groupings is supported by the following:

- Student Wellbeing Coordinator (and a member of the Executive)
- Academic Officer (and a member of the Executive)
- School Psychologist
- Student Support Officer

YEAR MEETINGS

- Full-school and Year Meetings are held at regular intervals throughout the year. They take place during College Connect on designated Wednesdays from 12:30 to 1:30pm.
- The Meetings are coordinated by the College Life staff, with input from students. Teaching staff are allocated to a year group and they also attend and support the activities scheduled in Meetings.
- Meetings provide an opportunity to drive communication about important college events, processes and initiatives. They also provide a platform for student voice.

COLLEGE CONNECT

- Each Wednesday from 12:00 to 1:00pm on campus. No classes run at this time allowing maximum participation
- Students and staff with an interest in common use this time to pursue leisure and recreational activities on offer. Sport, technology, arts and crafts, gaming, care for the environment are but a small sample of offerings. Student suggestions are encouraged.

- College Connect, as the name suggests, connects people and builds friendships and supports that build a healthy college climate.
- Attendance is recorded and builds towards a Registered Unit and credit point accrual.

STUDENT WELLBEING COORDINATORS (SWCs) & ACADEMIC OFFICERS (AOs)

- Student Wellbeing Coordinators (SWCs) and Academic Officers (AOs) are co-located and work closely together to support the social-emotional wellbeing and academic health of all students. Attendance, participation and academic progress are monitored, and follow-up is conducted when there are concerns.
- Students experiencing challenges that make achieving their goals more difficult are offered support through a multi-disciplinary team. SWCs and AOs will advocate for individuals within the college and, where appropriate, with external services as well.
- Much of the work of College Life staff is forming a partnership with a student's parents/caregivers. The team strongly encourages early communication from home. SWCs make links for students to other services, both inside and outside of the college to meet the wellbeing needs of students, in partnership with parents/caregivers.
- AOs work within the BSSS (Board of Senior Secondary Studies) policy framework to ensure the integrity of the academic package of each student. They track this over the two years of enrolment, providing updates and advice. Critical conversations occur at times of class selection (also known as 'class changes' events).



STUDENT LEADERSHIP GROUP (SLG)

All LTC students are invited to be part of the Student Leadership Group. Not a traditional SRC, the SLG is an opt-in model for young adults who want choice as to the nature and level of leadership they wish to pursue. The SLG is coordinated by a teacher, and leadership news, opportunities and events are communicated via the various channels across the college – the TV screens, notice boards, Year Group Google Classrooms, SMS and email. Members are supported to develop their own leadership skills and to assist in a range of college events.

SLG plays a critically important role in College Life – identifying activities and functions for the whole college. SLG members are invited to meet with the college Senior Executive for information sharing, policy development and ongoing governance of the college. Similarly, they are invited to opt into one of the college's Activated Teams – groups of teachers and school leaders working on specific policies and practices. SLG is student voice.

SCHOOL PSYCHOLOGISTS

The college has a full-time school psychologist service to provide high quality counselling on a wide range of issues. Students (and families) are able to make appointments via the College Life Help Desk - (02) 6142 3709.

THE CAREERS SPACE

CAREERS & TRANSITIONS

www.laketuggeranongcollegecareers.com

LTC has a thriving Careers & Transitions hub located at the entrance to College Life in Pavilion 6. Experts in career services provide timely advice to students and their families on matters related to pathways through college and beyond. Our Careers team hosts a major Careers Expo at the start of each school year, with over 35 representatives from a range of educational and employment industries. Lake Tuggeranong College students are expected to undertake a careers interview in the first semester of Year 11 and a second interview in their final semester in Year 12.

Staff in this area assist students with the following:

- Course and unit selections
- Information about jobs and tertiary courses
- Career paths and study package options
- Scholarships
- Job applications, enrolment in further or additional study, resume preparation
- Opportunities to hear guest speakers as well as excursions to Canberra Careers Market, Try-a-Trade and other providers
- Work Experience Program (WEX).

WORK EXPERIENCE (WEX)

Work Experience (WEX) is available to all students across the year and offers a diverse and extensive range of placements. Work Experience is an essential element of college in preparation for work opportunities beyond college.

AUSTRALIAN SCHOOL BASED APPRENTICESHIPS (ASBA)

An Australian School Based Apprenticeship (ASBA) involves the employment of a young person who is undertaking a traineeship part-time while still attending college and who is enrolled in a program leading to a Senior Secondary Certificate. This program provides students with an excellent opportunity to try an occupation that may be of interest to them. The range of industry areas that offer ASBA traineeships is extensive. Student receive credit towards the Senior Secondary Certificate for the hours undertaken. If students are interested, contact the ASBA coordinator to discuss the process.

ALUMNI

The college preserves the extensive history and collection of memories and stories from the LTC Alumni community. Our alumni are warmly invited to register on our Facebook page [<https://www.facebook.com/groups/LTCalumni/>]. Throughout the year, we provide the opportunity for old friends and acquaintances to get together and be involved with special events and programs at the College.

LTC 2021 PROSPECTUS THE LTC ENVIRONMENT

COLLEGE FACILITIES

For 30 years, Lake Tuggeranong College has been providing high quality Year 11 and Year 12 experiences to the students of southern Canberra. It boasts a fine record of academic, vocational, sporting, cultural and social achievements. Students have the opportunity to take part in a variety of subjects in Tertiary (T) and Non-Tertiary (A) courses as well as Vocational (V), Modified (M) and Registered Units (R).

Lake Tuggeranong College is situated 20 km south of Canberra city, the capital of Australia. It overlooks picturesque Lake Tuggeranong and has tree-lined suburbs to the east and the bustling Tuggeranong Town Centre to the west. Lake Tuggeranong College makes an immediate impression on visitors with stunning architecture, taking full advantage of the lakeside setting. Incorporated in a modern complex of tastefully finished buildings are facilities unrivalled in Australia.

STUDENT FACILITIES

- Student kitchenettes and amenities for self-catering
- A large student Learning Commons area
- Student lockers
- College radio room
- Pods of furnished spaces throughout the buildings where students can socialise

LIBRARY

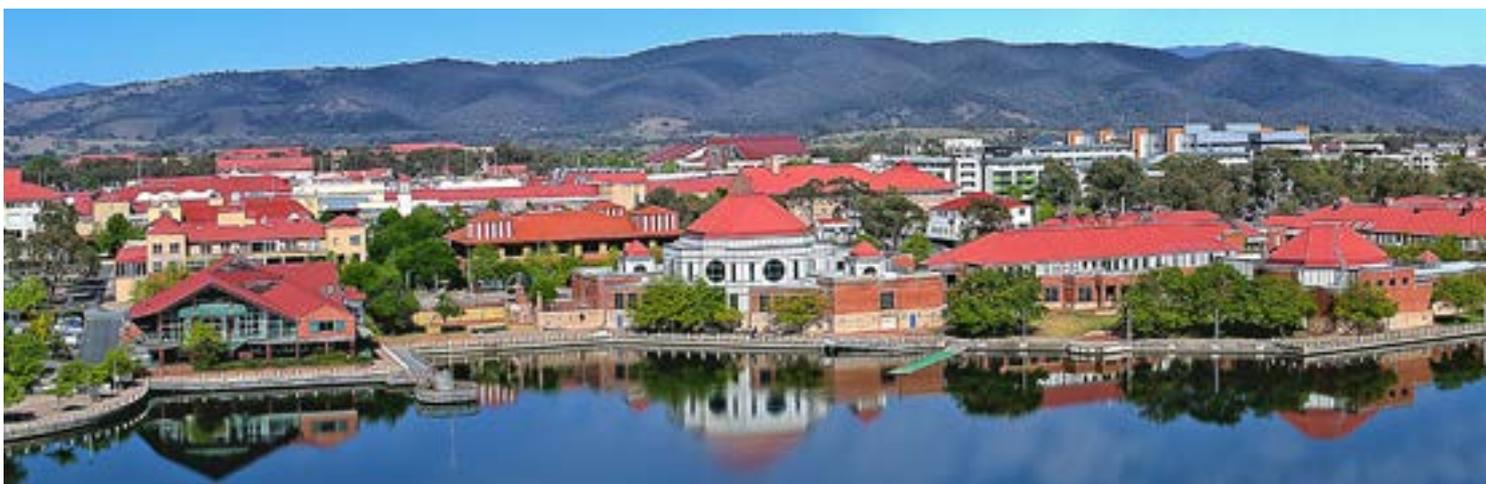
The Tuggeranong Library is designed and managed as a shared-use facility of Libraries ACT and Lake Tuggeranong College. It caters for the college community and the general public. The shared-use arrangement provides students with significant and unique learning advantages over stand-alone school libraries with:

- Increased access to expertise from teacher librarians and public library staff
- Access to the entire collections of all ACT Public Libraries for books, journals, CDs, DVDs and videos
- Online access to an impressive range of online databases, catalogues and resources
- Longer opening hours compared to stand-alone school libraries

Further information about LTC Library on p. 12.

COLLEGE LIFE

- The wellbeing and academic progress centre of the College, located in Pavilion 6
- School leaders, Student Wellbeing Coordinators, Academic Officers, Youth Support Worker, Careers & Transitions officers and on-site school psychologists can all be found in this area of the school



THE ARTS

- Drama Theatre for 240+ patrons
- Dance and Music studios
- Mac computer labs supporting Photography and Media, using industry standard Adobe software packages
- Recording studio with industry standard Protocols software

BUSINESS & SOCIAL SCIENCES

- Large lecture theatre
- Flexible and industry-focused learning labs
- Specialist virtual reality and robotics suites

PHYSICAL EDUCATION

- Air-conditioned gymnasium
- Outdoor sporting facilities

SCIENCE

- Well equipped Science laboratories
- An recently refurbished agriculture plot and glass houses

TECHNOLOGY

- New food technology facilities
- Specialist design lab with industry-standard software packages
- Industry-equivalent metal, wood, and automotive technology workshops supporting Cert II VET training

TRADE TRAINING CENTRE (TTC)

LTC is part of the Tuggeranong VET Network of schools which also includes Erindale College, Caroline Chisholm School, Wanniasa School, Calwell High School, Lanyon High School and Namadgi School. Together, these partnering schools provide a range of nationally certified vocational education and training opportunities to students. Both colleges are also part of the Tuggeranong Sustainable Living Trade Training Centre (the TTC) – a Commonwealth-Funded program designed to provide school-aged students with access to trade quality facilities.

WHAT IS ON OFFER THROUGH THE TTC?

Students enrolling at Lake Tuggeranong College or Erindale College can enrol in TTC courses at either college. Lake Tuggeranong College delivers nationally-recognised qualifications at the Certificate II level with pathways into Certificate III in:

- Automotive
- Building Construction
- Furniture Construction

TTC funding has provided an additional purpose-built building for the delivery of Building Construction and Furniture Making. Additionally, the program has provided significantly refurbished workshops in support of Automotive and Metal. Both learning spaces boast industry-leading equipment in support of the best possible qualification outcomes.



QUALITY LEARNING PROGRAMS

Specific curricula support programs operate at Lake Tuggeranong College designed to meet the individual needs of students. This suite of programs is coordinated by a School Leader C, and the work is supported by a range of staff – teachers and learning support assistants.

KEYS TO SUCCESS

The *Keys to Success* program is an R Unit offered to all LTC students. Delivered by LTC's teacher librarians, the program provides students with the key skills required to achieve their best outcomes while studying. Examples of content are: referencing, taking and making notes, curation, effective search strategies, evaluating websites and tackling assignments. The sessions allow for a consistent and deep delivery of information and digital literacy skills which will be needed for all courses at Lake Tuggeranong College and for life beyond college.

AST PREPARATION PROGRAM

The ACT Scaling Test (AST) Preparation Program runs throughout college for all tertiary-aspiring students. The Program covers strategies for the Writing Task, Multiple Choice and Short Response tests which are components of the AST. The program involves formal workshops, online activities and practice exams, and is supported by explicit and practical application in all subject areas. The college strongly advises tertiary-aspiring students to participate in all elements of the Program.

ANU EXTENSION

ANU Extension is the Australian National University's extension program for senior secondary students. The program offers courses in sciences, engineering, mathematics, Asian languages and music. Students who successfully undertake studies in ANU Extension can receive an early offer of entry into an ANU bachelor degree program and receive credit towards the bachelor degree for the studies successfully completed.

ANU Extension courses are accredited with the BSSS (as 'H' courses on the Senior Secondary Certificate). The programs have been developed by expert senior secondary teachers and ANU academics and are presented by ANU educators and expert senior secondary teachers.

Applications to join the program open at the start of each school year, with classes commencing Week 1 of Term 2 each year. Students are selected by a panel comprising an ANU, government, independent sector and Catholic sector representative. Selection is based on selection test results, applications and information from schools.

At Lake Tuggeranong College, the ANU Extension is coordinated in the Careers area in College Life.

RESOURCES ROOM

The Resources Room provides support for students experiencing difficulties in learning in classroom environments. Staff support students to achieve to the best of their ability: this may include support with their classwork and/or assignments, as well as supporting students who may experience a range of issues which affect their capacity to learn or participate in college life.

Students can request support by making contact with staff in the College Life (Pavilion 6) or through teacher referral. The Resources Room is open from 8.30am – 3.30pm each day.

THE HUB

Lake Tuggeranong College hosts a Learning Support Unit (LSU) for identified students with special needs. We call our LSU, The Hub. Placements in the Hub are coordinated by the Education Directorate. The college has a team of exceptional teachers and Learning Support Assistants to deliver a personalised academic and social program. Families play a huge part in the designing of our individualised programs. Some of our work is conducted in a small-group setting in The Hub itself, and other parts are thoughtfully integrated into college classes. As a result, our students have a fully-rounded senior secondary experience, making them ready for life after college.

LTC ORGANISATION

COLLEGE BOARD

The college encourages and welcomes parental participation in the decision-making associated with our school. One manifestation of this is the College Board.

The Board includes three parent representatives, two student representatives, two staff members, the Principal and a community representative. Meetings are held six times a year, and the Board considers matters such as:

- College financial oversight
- Curriculum offerings (adopting new courses)
- School improvement (strategic and operational plans, monitoring progress, formal reporting)
- Community involvement in the college

Parents are invited to make contact with the Board Chair or via their parent representatives. Details are made available on our website following the Board elections each year.

STUDENT VOICE

LTC welcomes, encourages and supports students to be actively involved in their college. We believe this includes speaking up and taking every opportunity to feed back to the college staff about:

- their learning in class (via Unit Evaluations and conversations with teachers)
- the facilities across the college (via Focus Groups, surveys and suggestion boxes)
- the culture of connectedness and care (via Focus Groups, Satisfaction surveys, making a meeting with the Principal)
- the governance of the college (via student rep's on the Board)

The Student Leadership Group (SLG) – see page 7 – is a mecca of internal and external events and training to build your voice as a student and a young leader.

VOLUNTARY FINANCIAL CONTRIBUTIONS

Lake Tuggeranong College offers a diverse and relevant curriculum to its students. The College Board requests parents pay a Voluntary Parental Contribution of \$150 per year for Year 11 and Year 12 students to purchase resources which enhance the teaching-learning environment for all students across the college.

Upon enrolment, a one-off materials and resources contribution of \$80 is requested to secure a place at the college. This amount covers administration items such as photographic ID, student printing and internet usage. In addition to this contribution, costs for materials/activities exist in some learning areas. These courses usually have consumables or use equipment which is expensive to maintain and replace. There are many alternative courses where there are no consumable costs required.

Although all contributions are voluntary in accordance with ACT government policy, it is vital that parents support the college through payment of this money as it provides a major part of the budget figure allocated to resourcing the education programs. The Education Act 2004 states that your child will not be refused benefits or services if you do not choose to contribute. Individual records of contributions are confidential.

Upon enrolment parents may choose to pay into the college's voluntary contributions fund and if the student decides not to take up their place, the amount can be fully refunded.

Parents who elect to pay into either of the tax deductible funds (Library Fund and/or Building Fund) are not able to obtain a refund as these funds are governed by rules set by the Australian Tax Office.

At the beginning of the year, when students have settled into all of their classes, the college will send home a Family Transaction Statement outlining all costs, including any relevant consumable costs.

LTC 2021 PROSPECTUS LTC LIBRARY

WELCOME TO THE LAKE TUGGERANONG COLLEGE LIBRARY

The Lake Tuggeranong College Library is a beautiful, welcoming and very useful place. Our friendly staff will assist you with your research, resourcing, and recreational reading needs.

Our library services will save you time! Some significant and unique benefits include:

- *Knowledgeable staff* - students access expertise from teacher librarians, LTC library technicians and public library staff.
 - *Huge collection* - students can easily access the collections of the school library and all eight Libraries ACT branches for databases, books, journals, CDs and DVDs.
 - *24/7 resources* - online access to Libraries ACT's and LTC Library's Virtual Libraries with their impressive range of e-resources and databases.
- *Long opening hours* - as both a college library and a public library, we are open every day of the week.
 - *Keys to Success Program (R Unit)* - This is delivered by LTC's teacher librarians in the LTC Library and available in Terms 1-3. The 11 sessions (delivered through a mix of face to face and online/independent instruction) are spread out over a term, and provide students with the key skills required to achieve their best outcomes while studying.

Teacher librarians are available to help with information needs for all assignments, guiding students to become problem-solvers and discerning, literate users of information.

Staff and students have **24/7 access** to college-specific resourcing created and sourced by teacher librarians via the LTC Library website: <http://lctlibrary.com/>.



Lake Tuggeranong College values the development of transferable skills that will form a key part of our students going on to lead meaningful lives. We provide an array of opportunities to develop communication, collaboration, self-reflection and critical analysis both in classes and as extra curricula activity, all the while, experiencing authentic learning.

INTEGRATED LEARNING COURSES

Depending upon demand, Lake Tuggeranong College offers a range of interdisciplinary courses that focuses on these skills through project-based learning. Students will have the opportunity to explore their passions while developing core skills for their future and an understanding of the influence of economics, history, science, business, politics and sociology work in real world situations.

Examples of projects that are possible in 2021 include:

- Change & Advocacy – getting a voice in society
- A 'Year 13' Automotive Industry Innovator's Project
- Community Environmental Leadership
- Gotta Get VET – suite of R Units contributing to vocational pathway development

INTERDISCIPLINARY SCIENCE

Lake Tuggeranong College offers an Interdisciplinary Science course which equips students with the skills to be independent thinkers and life-long learners, confident to pursue a wide range of study pathways and careers. This course will appeal to students who have a general interest in science as a subject and who are looking to have a broad package without necessarily specialising in a particular field of science. It will enable students to tackle contemporary scientific issues, allow students to investigate cutting-edge science and cover a range of topics from artificial intelligence to the space age.

The four units of the course investigate:

- Scientific Controversies
- Hidden Science
- Science in Context
- Science Innovations

This course is available as a Tertiary (T) and Accredited (A) course.

INTERNATIONAL OPPORTUNITIES

Each year, Lake Tuggeranong College organises international study tours: previously, we have travelled to China, Japan, Korea, Spain and the United States. At the time of printing, we are not sure if international travel will be possible in 2021, but incoming students may be able to participate in 2022. The college will provide updates as they become available.

AUTHENTIC LEARNING

Our 3D Games course has a strong production and group work focus where the students work for our fictitious company and publish apps for their Year 12 major project. These go worldwide via iTunes and Google Play and we have had over 10000 downloads in five years with five apps being published, including The Monster that Ate Canberra game, Augmented Reality, Aussie Icons, AR School Quiz, and Magpie Swoop.

Students in these courses gain further authentic opportunity via our partnership with the Department of Human Services, where students get the opportunity to pitch their augmented and virtual reality skills to the Chief Information Officer of an Australian Government agency.

Lake Tuggeranong College offers students access to exciting cyber competitions and in 2019, our team won through ACT-based heats to the national finals of a major event, where they emerged as runners up – pipped only by a long-established and specialist IT school from Queensland. These competitions provide students with authentic experiences in 'ethical hacking' and the world of cyber security.

GERARD ATKINSON



I graduated from Lake Tuggeranong College in 2000, and currently work as a manager of evaluation for ARTD Consultants in Sydney. Prior to this I led the evaluation team for the Australia Council for the Arts. I have a BSc in Physics, an MA in Arts Management, and an MBA in Business Analytics.

While studying tertiary mathematics at LTC, I asked (like most students) – how is this going to be useful in daily life? As it turns out, the kind of thinking style that maths gave me is extremely important in my line of work.

A lot of my work is problem solving – taking a question, breaking it down and figuring out the best approach to get to an answer. There’s not always a ‘right answer’ or single approach to take, but with the right tools you can figure out which approaches are most practical. My tertiary maths studies at LTC laid the foundation for me to master these tools.

Outside of my job, I’m also an actor and opera singer. My education in mathematics has played a part in this too: rhythm, timing, harmony, it all comes back to numbers. Having a good sense of that has helped me on the stage.



NAOMI FROST

Since graduating from LTC in 2011, I have studied History at Monash University which has allowed me to conduct research in Cambodia, among a number of amazing

places. I received multiple scholarships and am now finishing my Masters thesis while working as a teaching associate at Monash University. Without my LTC languages and history teachers, Mike and Danelle Gannon, I would not be doing what I love today.

TARA BRITT-MILLER



My LTC story is one of hope, love and tenacity.

While I was studying at Lake Tuggeranong College in 2016, I became pregnant. My story is that I successfully had my baby AND graduated with a Senior Secondary Certificate. My story reflects the help I received from the amazing teachers and leaders at LTC.

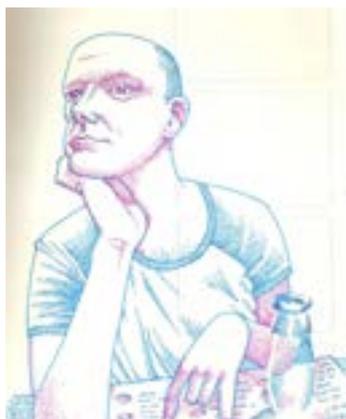
Being pregnant at school was hard. I had to juggle medical appointments as well as assessment due dates. I know there were people who looked negatively at me as a teen mum; but the college never did – right from the top of the school through to support staff, I felt valued and worthy. They reinforced to me that my decision to continue with school was the right thing to do.

I took a few weeks off school to deliver the beautiful Scarlett, my daughter. When she was seven weeks old, I returned to class. Classmates and staff helped ‘focus’ her attention when I needed to put mine on my assignments and exams. At the end of that year, I celebrated with a three-month old daughter on my hip at Graduation.

Today, I teach children to swim while I continue with my studying and training. Scarlett is now almost three years old and is incredibly bright – obviously, because she attended college and learnt so much at such a young age! She has helped me grow into a person I never knew I could be. She taught me how to love and care for someone. She was my motivation to finish school and thereafter launch into the wider world.

LTC helped me find my reason for being the verybest version of myself. I will forever be grateful for the wonderful people at LTC. Thank you.

BEN CROWE



After attending Padua Catholic High School (now Mary McKillop College) I started year 11 at LTC in 1991. I was fairly academic so enrolled in all the Maths on offer, Physics, Chemistry and English. My “fun” subject was Photography, which I did for a semester but it got crowded out by the Maths trying to get myself ready for getting into ANU Science which was all I really interested in doing at Uni.

Despite glandular fever in Year 12, I gained entry into uni and subsequently completed a science degree, after which I took a year off in order to work out if I wanted to do honours. During this attempted gap year I fell into the first course ever offered at AIE (Academy of Interactive Entertainment).

Since then I’ve worked around the world as a freelance 3D character animator and animation lead on TV, film and games. I’m now working at General Motors (Holden) Design as a senior visual effects artist creating visuals for Cadillac, Buick, Chevrolet and, of course, Holden.

I still look back on LTC fondly. There was a real sense of freedom and being treated much more as an adult. I loved the layout and location of the school and was taught by some of the best teachers I ever had.

CONNOR RYAN



Connor at the opening of St Catharine’s College exhibition celebrating 150 years of the periodic table.

I graduated from Lake Tuggeranong College in 2015 and have since undertaken a Bachelor’s degree in Science, majoring and specialising in Chemistry at the Australian National University. I am currently undertaking my honours year in Chemistry, with a focus on synthetic organic chemistry.

Last year I was awarded the ANU Research School

of Chemistry Prize, which is awarded to the student with the highest overall grade in chemistry courses throughout the final year of the Bachelor of Science degree. Because of this, I was invited to attend a special chemistry event at Cambridge University in the UK.

When I think back to where my passion for chemistry originated, I think of LTC. The classes and laboratory experiments I had there were my first introduction to the wonders of chemistry. I have my teachers to thank for instilling their love of chemistry within me.

If you study hard, you can get anywhere!

ASHLEIGH SCAMMELL



I graduated from LTC in 2018 having been a student there for three magical years. I was part of the Early Access Auto night class while I was still in Year 10. I was attracted to the Automotive Studies course because all of my life I had tinkered with vehicles with members of my family. When I was about six years old, I

jumped in and helped my Pop service his trusty old Subaru. So not only did this night class appeal to me on a personal level, but it opened new doors on my future.

I was one of only two girls who completed the Auto course that year, and when it came time to move into college as a Year 11, I already knew staff, facilities and other students. It was the best transition I could have wished for.

I completed senior secondary Auto by the end of Year 11, and during my Year 12 year, I continued attending the night class, this time as a helper to the teachers. My job was to go around and assist students learning how to pull down and clean two-stroke lawn mower engines, build electrical boards and use multimeters.

In my final year at college, I began an ASBA with Transport Canberra as a heavy vehicle diesel mechanic. So, my college years allowed me to gain a formal education as well as launch myself into my career beyond school. I ‘saved time’ by entering the Year 10 program, and by getting the ASBA whilst still studying. I stay connected to the college because of the quality and nature of support they gave me as a young person. I consider LTC my family – even more than it being my school.

**LTC
STAFF &
STUDENTS
2020**





ADRIAN STOTT



I chose LTC as an out of area student for the digital media facilities and the welcoming and well-kept architectural spaces. LTC helped me develop both my creative and analytical thinking through a mix of design, media, physics, and maths studies. These skills have assisted me through two careers so

far; first in marketing—where I ran a multi-award-winning studio—and now back at LTC teaching maths.

It's interesting seeing LTC from the other side. I see firsthand the caring nature of the college leadership and staff. The teachers really accept that all students bring varying backgrounds, challenges and dreams with them to the school. The staff do their best to support students in reaching their goals, be it academic, sporting, creative, vocational, or otherwise.

I'm proud to have studied here in the past, and I'm proud to be back here as a teacher.

or even just have a friendly chat. Their understanding made those two years stress-free.

Competing overseas was such an amazing, eye-opening experience. I gained so much valuable life knowledge whilst there, and I'm so proud to have represented Australia in the sport that I love so much.

I'm now living in Newcastle pursuing medicine. It is a huge change from the Canberra life, but I'm loving every moment of it.

Sometimes I have to step back and take a look at what I've achieved. Five years ago, I never would have thought I would have had the opportunity to represent Australia or get to study medicine but hard work definitely pays off in the end. Thank you, LTC.

GEORGIA TONGS



I attended Lake Tuggeranong College in 2017 and 2018. During this time, I maintained a heavy training load for competitive figure skating whilst also sustaining good results in school. During Year 12, I gained acceptance to study medicine at the University of

Newcastle, AND I qualified to compete for Australia in Figure Skating which was a huge aspiration of mine. In early 2019 I travelled to Oberstdorf, Germany to compete in the Bavarian Open.

LTC was very supportive of my sport and training demands. I was often late to school after having training and I often had to miss a few classes to attend interstate competitions. All the teachers at LTC were such lovely people and were always happy to help out with any questions regarding assessment,

BROOKE WALSH



I graduated from Lake Tuggeranong College in 1999. When I first began year 11, I studied a variety of subjects including maths, physics and chemistry in the hope of gaining entry into a veterinary science degree. This was not to be my fate though! I had a passion for humanities subjects including history, sociology and English. Following this passion in my subject selection in year 12, I applied for entry into ADFA and gained a scholarship to begin my career in the Royal Australian Navy as a Warfare Officer upon completion of year 12.

I spent my Navy career studying at ADFA to obtain a Bachelor of Arts Degree, navigating major warships around the world, visiting an enormous number of overseas ports, undertaking peacekeeping missions in both East Timor and the Solomon Islands and studying whilst at sea to gain a Graduate Diploma of Secondary Education. After 10 wonderful years, I decided to leave the Navy to begin a family and a new career as a teacher. After posting to numerous cities around Australia, life led me back to Lake Tuggeranong College as a classroom teacher in 2016.

I've always had such a close connection to LTC. The college allowed me to grow very quickly into a confident young adult, and the support I received from staff and peers ensured that I aimed high even in the face of challenges. I never believed that I would be a scholarship recipient, and I remain the only person in my family with a University education.

Lake Tuggeranong College gave me so many opportunities that I am so grateful for. It feels fitting that I am back here contributing to the education and lives of other young people.

TAIMUS WERNER-GIBBINGS



Since graduating 11th from Lake Tuggeranong College in 1999, I have studied Arts/Law at the University of Sydney, Politics at Deakin University, lived in Sydney, performed at the Sydney 2000 Olympics, lived overseas, worked at the 2007 Rugby World Cup in Paris, lived in

Canberra (again) but this time actually in Tuggeranong, worked in the Public Service and now in politics. I've kept my friends from college, written a story about my time at Lake Tuggeranong (which won a national ABC sports writing competition), run for election in the ACT (lost), established a free Shakespeare festival in Tuggeranong (Shakespeare by the Lakes), and have am part of a wonderful family. I've basically had a lovely life so far because I worked hard in Year 11 and 12 and got the marks which set me up for everything.

While I wouldn't recommend it to everyone, dropping Advanced Maths at the start of Year 12 – in fact, dropping Maths altogether – and doing double English, double history ("4th best decision I ever made") was extremely important for my pathway because I learnt that taking risks, especially in your areas of strength and interest, can pay off if you put the effort in to make them work. That said, I am terrible at maths of all sorts now (what is long division and how, Google, is it done?) and quitting something you are not good at because you don't like it isn't an example I'd like my children to follow.

REBEKAH WHITE



I graduated from Lake Tuggeranong College in 2000. While at Tuggeranong, I squeezed every possible History and English class into my timetable, and rounded out my package with Psychology and Dance. I discovered a love for the process of carrying out research and writing, and have carried this with me in the years since. I also realised the value in taking classes that brought joy. As a result,

my days at Tuggeranong were full, incredibly stimulating, and enormously fun.

Following Tuggeranong, I went to the ANU where I studied a combined Arts/Science degree with Honours and Masters in Psychology. I graduated from the ANU with a university medal in Psychology, and was awarded a Clarendon Scholarship to pursue a DPhil (PhD) in Experimental Psychology at the University of Oxford. In my DPhil, I investigated body awareness in patients who had experienced a stroke. Over four years, I learnt all about the process of transforming research ideas into experiments, results, and a publishable product.

At the end of my DPhil I was offered the opportunity to stay on in Oxford, as a Junior Research Fellow at Christ Church. I also took up a position as a College tutor in Psychology at Pembroke College. After my fellowship (four years of independent research and two years of delightful maternity leave), I joined a project that brings together my love of interdisciplinary research. I am now working in a team that is carrying out interdisciplinary readings of medieval science. It is a great joy to be involved in something that combines History, Psychology, and English - the subjects that I enjoyed so much while at Tuggeranong.

I have had a wonderful experience of education, and Lake Tuggeranong was formative in setting up my love of learning. Perhaps the greatest lesson I learned at Tuggeranong was to follow my heart and take classes that I found fulfilling, rather than classes that fulfilled others' expectations. I have always enjoyed many and varied subjects, and my desire for breadth is beautifully satisfied in my current work, where my days involve a mix of research, teaching and student welfare. I feel very lucky!

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AREAS**

COURSE FINDER

Use this guide to find the *Learning Area* and *Courses* you may be interested in studying at Lake Tuggeranong College.

For ease of navigation, *Learning Areas* are listed here independent of faculties - please make specific enquiries via the Faculty listed for further information.



Learning Area: **DESIGN AND TECHNOLOGY**
Courses: **Design Technology & Graphics**
Engineering Studies
Textiles & Fashion
Food for Life
Food Science & Management
Faculty: **Technology**



Learning Area: **PERFORMING ARTS**
Courses: **Dance**
Drama
Music
Faculty: **The Arts**



Learning Area: **ENGLISH**
Courses: **English**
Literature
Contemporary English
Essential English
English as a Second Language (ESL)
Faculty: **English/History/Languages**



Learning Area: **PHYSICAL EDUCATION**
Courses: **Exercise Science**
Health & Wellbeing
Physical Education
Sports Development
Faculty: **Science/ PE**



Learning Area: **HUMANITIES**
Courses: **History***
Geography
Global Studies*
Psychology
Sociology
Faculties: **Business, Social Sciences/IT**
*** English/History/Languages**



Learning Area: **PROFESSIONAL SERVICES**
Courses: **Business**
Business Services
Legal Studies
Social & Community Work
Tourism & Event
Management
Faculty: **Business, Social Sciences, IT**



Learning Area: **INFORMATION TECHNOLOGY**
Courses: **CISCO Networking & Cyber**
Security
Interactive Software Development
Programming Robotics
Web Development
Faculties: **Business, Social Sciences, IT**



Learning Area: **SCIENCE**
Courses: **Agriculture**
Biology
Chemistry
Flight
Human Biology
Interdisciplinary Science
Physics
Faculty: **Science/PE**



Learning Area: **LANGUAGES**
Courses: **Chinese**
Japanese
Spanish
Faculties: **English/History/Languages**



Learning Area: **TRADES & SERVICES**
Courses: **Automotive Technology**
Construction Pathways
Furniture Making
Metal Products
Timber Products
Faculty: **Technology**



Learning Area: **MATHEMATICS**
Courses: **Specialist Methods &**
Specialist Maths
Mathematical Applications
Mathematical Methods
Essential Mathematics
Contemporary Mathematics
Mathematics Tutorials
Faculty: **Maths**



Learning Area: **VISUAL ARTS**
Courses: **Ceramics**
Glass Art & Design
Media
Photography
Visual Art
Faculty: **The Arts**

For more information on Lake Tuggeranong College please call (02) 6142 3660, visit www.ltc.act.edu.au or scan the QR code.



□ DESIGN & TECHNOLOGY

DESIGN, TECHNOLOGY & GRAPHICS (A/T/M)

What: Learn how to understand and apply the design process through using the tools of digital technologies. The course offers the following units: graphic design, animation, industrial design and architecture. They provide the students with an introduction to skills needed to design and create in a digital world.

Why: Design thinking is a method for approaching problems in a world that is constantly changing. From web designer to architect the designer makes the world a better place by bringing their clients' ideas to life. There are many career pathways which stem from skill development using design processes.

ENGINEERING STUDIES (T/M)

What: Structural engineering - building and analysing forces in frames, trusses and bridges. Construction engineering - projects that design buildings using Australian Standards and codes. Mechanical engineering - including a biomedical project using 3D printing. Mechatronics engineering - using electronics that integrates software and hardware design.

Why: For students who want to pursue further study in technology fields such as engineering, mechatronics, and project management at university, or at CIT/TAFE studying electronics, software, design, CAD, drafting, architecture, building and construction fields.

TEXTILES AND FASHION (A/T/M)

What: Using textiles as a medium, students will develop and apply design thinking through a design process to create and develop practical solutions. They will learn about the textiles and the fashion industry by exploring fundamentals of design, emerging technologies, textile and fashion futures, history and culture, sustainability and ethics.

Why: Our course establishes a basis for further education and employment in design fields such as interior personal styling, fashion design, industrial design, costume design, production manufacture and textile technologies.



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FOOD FOR LIFE (A/M)

What: A practically-focused course for those with an interest in food, health and wellbeing. The focus is on the development of knowledge and practical skills, which will assist you in establishing a healthy relationship with food throughout life.

Why: Students will have opportunities to explore and develop food-related interests and passions. Units included in this course encourage innovation and enterprise and enable students to display personal creativity and to refine and express personal values.

FOOD SCIENCE AND MANAGEMENT (T/M)

What: A unique opportunity within the Tertiary stream for students to gain knowledge related to food science and management in combination with the development of practical food preparation skills. Topics in the course cover a range of food related fields including nutrition, food chemistry, food production, food business practices and worldwide food issues such as sustainability and the future of food.

Why: The course provides a foundation for anyone considering food-related courses at university such as nutrition or food chemistry, as well as key skills that are useful for both a career in the hospitality industry as well as everyday life. This course is for the serious foody.



LTC 2021 PROSPECTUS LEARNING AREAS

ENGLISH

English is a compulsory subject and all students need to complete the minimum of a minor in order to obtain an ACT Senior Secondary Certificate.

ENGLISH (T)

What: English T focuses on developing students' analytical, creative, critical thinking and communication skills in all language modes. It encourages students to engage with texts from their contemporary world, with texts from the past and with texts from Australian and other cultures.

Why: English T takes the best of high school English and digs deeper. The course helps students develop a sense of themselves, their world and their place in it. It is useful for future tertiary studies and employment.

LITERATURE (T)

What: In Literature T students will engage and respond creatively and critically to literary texts drawn from the past, the present and from Australia and other cultures. This course moves beyond the explorations of the English T course and looks more closely at how literary texts shape perceptions of the world. The course is rich in literary critique and dialogue about literature..

Why: For the student who loves words ... for students who are highly competent in English, who enjoy reading a variety of different texts from different time periods and who wish to pursue English at a higher level. This course is useful for future tertiary studies and your lifelong enjoyment of reading.

CONTEMPORARY ENGLISH (A)

What: Contemporary English provides opportunities for students to gain and practise the skills of communication, team work and problem-solving. Students use their initiative and enterprise planning and organising, self-management, learning and technology skills.

Why: This course appeals to students who enjoy a more personalised course using the English language in everyday contexts.

ESSENTIAL ENGLISH (A)

What: Those students studying Essential English A focus on consolidating and refining their skills and knowledge needed to become competent, confident and engaged users of English in many contemporary contexts including every day, community, social, further education, training and workplace contexts.

Why: This course is designed to provide students with the skills that will allow them to succeed in a wide range of post-secondary pathways such as CIT and employment.

ENGLISH AS A SECOND LANGUAGE (ESL) (A/T)

What: ESL focuses on language learning. Students explore how learning in and through English language and literature influences their own and others' personal, social and cultural identities and thought.

Why: Units 1 to 4 are taught to develop students' academic English skills in order to prepare them for tertiary study. ESL A and the bridging Units 1 to 4 provide the linguistic foundation for work, training or further study.



HUMANITIES

ANCIENT HISTORY (A/T)

What: The Ancient History T/A course enables students to study life in early civilisations based on the analysis and interpretation of physical and written remains. The ancient period extends from the development of early human communities to the end of late antiquity AD 650, with a particular focus on the ancient societies of Europe, the Near East and Asia.

Why: Ancient History opens a world of mystery and wonder, and often allows us to see today's human stories with greater clarity. Students gain valuable evidence-interrogation skills as well as the ability to present a set of validated interpretations.

PRE-MODERN HISTORY (A/T)

What: The Pre- Modern History T/A course allows students study the key institutions, structures and features of societies and develop a broader and deeper comprehension of the origins, impact and legacy of ideas, beliefs and values of the pre- modern world, i.e. c.400-1750CE. The Pre-Modern History course consists of four units: Transformation, Golden Ages, Conflict and Power.

Why: The Pre-Modern History course picks up skills and understandings taught in many high school history courses. If you enjoy reconstructing a jigsaw puzzle or detective stories, you will enjoy the creativity of working with fragmentary evidence in this course.

MODERN HISTORY (A/T)

What: The Modern History T/A course enables students to study the forces that have shaped today's world and provides them with a broader and deeper comprehension of the world in which they live. The focus is on the 20th century, though the units refer to look at changes from the late 18th century onwards.

Why: Students of modern history gain keenly-honed analytical skills, making them highly suited to a career where an issue needs to be thoroughly unpacked and understood.

GEOGRAPHY (A/T)

What: Geography explores the physical and human worlds. It focuses on diversity of the world's places and their peoples, cultures and environments. Themes are developed from local, national and global scales and allow students to think about their place, role and responsibilities as a global citizen around each topic.

Why: You will sharpen your investigative skills, and your knowledge of the world around you. Opportunities for fieldwork encourage an enquiry approach to further investigate the physical and human environments.

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GLOBAL STUDIES (A/T)

What: Global Studies (A/T) teaches students to think critically about key global issues and to develop a cross cultural understanding of the values that have shaped history, politics, international relations, global economic forces and global citizenship. Topics studied include globalisation, technological change, environmental, social, economic and political pressures and changes in Australia and overseas.

Why: The course provides excellent preparation for any social sciences, law or international relations program. If you are keen on taking personal responsibility as a citizen, this course is for you.

PSYCHOLOGY (A/T)

What: This course provides students with an understanding of how humans think, feel and behave, and an understanding of why people may make certain decisions. We explore the importance of early childhood factors on lifelong development through to understanding mental health and wellbeing, and the affect groups have on an individual's decision making.

Why: This course provides an underpinning knowledge of how and why people think, do and say certain things. Such awareness is invaluable in any situation - socially or at work.

SOCIOLOGY (A/T)

What: Sociology explores the interaction between people and the elements of our society. Students explore the power and influence of media, religion, family, the justice system and other social institutions to gain a better understanding of the way society works. This fosters learning to question the status quo.

Why: Students develop problem-solving skills, an understanding of bias, and how to critically question their assumptions and opinions – invaluable skills for any workplace.

For more information on Humanities and other Learning Areas please visit www.ltc.act.edu.au

LTC 2021 PROSPECTUS LEARNING AREAS

INFORMATION TECHNOLOGY

LTC has four IT 'streams' - each stream can be made into a Major. Units from any IT stream can be made into a major. Please note: to build a double major, students need to combine two streams. There are exceptions: Web Development & Interactive software development - cannot be made into a double major.

CISCO NETWORKING AND CYBER SECURITY (T/V)

What: This stream is a networking course that has cyber security as a focus. Students learn how to set up equipment including routers, switches, and wireless networks. Students work in teams to secure and test network security using industry standard cyber forensic skills.

Why: The world has changed and there is a shortfall in skilled IT professionals in the field of cyber security. The course works towards preparing students for the CCNA exam. Students pursue further study at CIT and university and can enter into graduate programs offered by various public service departments.

INTERACTIVE SOFTWARE DEVELOPMENT (A/T/V)

What: This stream integrates design and animation skills, programming in C#, to produce interactive software. Students work individually and in small teams and learn skills including project management, software design, 3D modelling techniques, 3D animation skills, scripting and project management.

Why: The stream is aimed at producing a variety of skills used in the emerging industries worldwide. Students use their skills in further education including the Academy of Interactive Entertainment (AIE), CIT and Universities to complete IT courses.

PROGRAMMING ROBOTICS (T)

What: This stream investigates programming techniques with a focus on robotics and embedded technologies. Students will build robots to interact with the environment around them, programming Arduino and Raspberry Pis.

Why: Robotics and AI are careers that will become more relevant in the future and lead the students into new fields.

WEB DEVELOPMENT (A/T/V)

What: This stream is intended for students wanting to pursue a career in website design, administering computer-based systems including databases and spreadsheets, and develop skills in project management. Students develop and create e-commerce solutions.

Why: The use of e-commerce and database systems has taken over the world. Students graduate and seek further study at CIT and university, many getting work in the public service and small business setting up and administering websites and databases.



For more information on IT and other Learning Areas please visit www.ltc.act.edu.au

LANGUAGES

Three languages, **Chinese, Japanese and Spanish(A/T)**, are offered at Lake Tuggeranong College. Students should take into consideration the number of years the language has already been studied (if any), prior to selecting into a particular level of language at college.

Learning another language widens students' horizons, broadens cognitive and cultural experience and develops communicative and intercultural competence. It is useful for those students wanting to study a language at university, seeking employment, or for those wanting to travel.

CHINESE (A/T)

What: In Chinese, students develop an understanding of the nature of the Chinese language including its linguistic and stylistic features. Students learn about Chinese culture and traditions including the study of Chinese literature for those studying it at the advanced level. Students learn how to communicate both in a written and oral form in the Chinese language. In Chinese students will study the following units: The Individual Experience, Society and Community, The World Around Us and Lifestyles and Traditions.

Why: China's regional and international influence easily reaches us in Australia, and learning this language opens many potential career doors for students. Multicultural Australia also beckons, and students graduating from studying Chinese will become much more adept at interacting with Australians from a Chinese cultural background.

JAPANESE (A/T)

What: In Japanese, students develop an understanding of the nature of the Japanese language including its linguistic and stylistic features. Students learn about Japanese culture, traditions and literature and how to communicate in a written and oral form in the Japanese language. In Japanese, students will study the following units: The Individual Experience, Society and Community, The World Around Us and Lifestyles and Traditions.

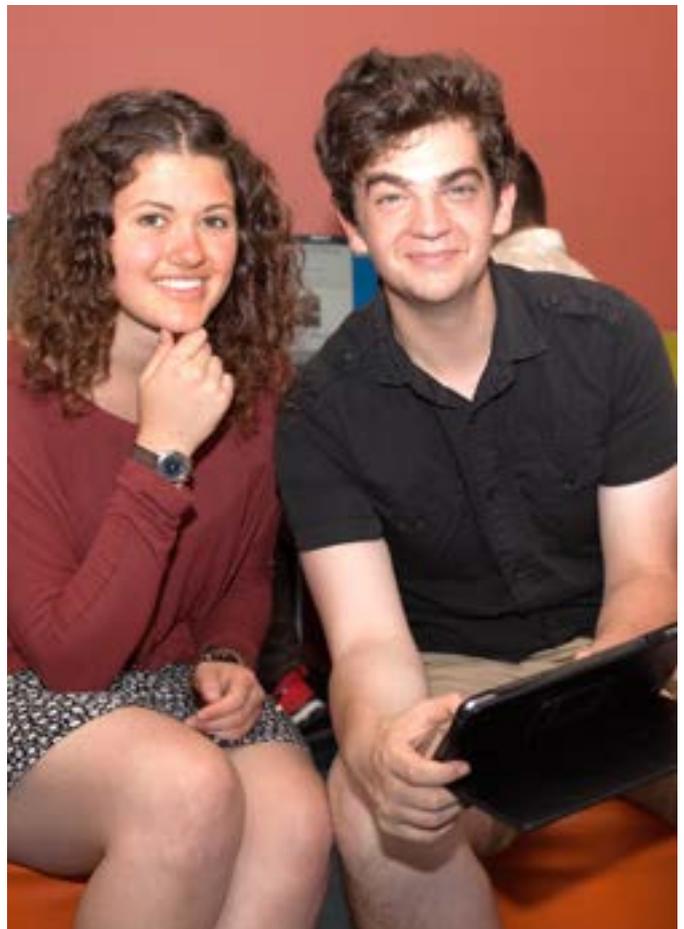
Why: Japan is a destination of choice for many Australians – both as tourists and as admirers of the culture. As a trading partner and a place of wonder, the possibilities for students studying Japanese are endless and exciting. The college regularly hosts trips to Japan as part of the course.

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SPANISH (A/T)

What: In Spanish, students develop an understanding of the nature of the Spanish language including its linguistic and stylistic features. Students explore Spanish culture, traditions and literature. They learn how to communicate in a written and oral form in the Spanish language. In Spanish, students will study the following units: The Individual Experience, Society and Community, The World Around Us and Lifestyles and Traditions.

Why: A hint of European excitement awaits students taking this course: Spain is a classic mix of cultural influences, and any trip to Europe would do well to add it to the itinerary. If you are drawn to Europe, this course is for you. The college runs an excursion to Spain every two years, as part of the course.



LTC 2021 PROSPECTUS LEARNING AREAS

MATHEMATICS

SPECIALIST METHODS AND SPECIALIST MATHEMATICS (T)

What: Specialist Mathematics is a course enabling students to mastery and extend their knowledge and refine their abstract reasoning ability in all areas of mathematics. They develop rigorous mathematical proofs and apply these to mathematical models. Students may complete a major, major/minor or a double major in Specialist Mathematics.

Why: This course is designed for students with a strong interest in mathematics, including those intending to study mathematics, statistics, science, economics or engineering at university.

MATHEMATICAL METHODS (T)

What: Mathematical Methods is a fundamental calculus and statistics course. This course builds on strong algebra skills in areas of functions, graphs and probability, with students mastering how to construct models in these areas. A good pass at 10A Mathematics in high school is recommended.

Why: Mathematical Methods is designed for students whose future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level.



MATHEMATICAL APPLICATIONS (T)

What: This course develops mastery in topic areas such as numbers, algebra, geometry, trigonometry, graphs, networks and statistics. Problem solving, reasoning and communication skills are developed deeply. A pass at the year 10 Australian Curriculum course in high school is recommended.

Why: Mathematical Applications is designed for those students who want to extend their mathematics beyond year 10 but whose future studies or employment pathways do not require knowledge of calculus.

ESSENTIAL MATHEMATICS (A)

What: This course focuses on enabling students to use mathematics effectively, efficiently and critically to make informed decisions in their daily lives. It provides students with the knowledge, skills and understanding to solve problems in real contexts in a range of workplace, personal, further learning and community settings.

Why: Students are prepared for post school options of employment and further training. Problem solving and reasoning skills are developed in this course.

CONTEMPORARY MATHEMATICS (A/M)

What: Contemporary Mathematics provides opportunities for students to gain and practise the skills of communication, team work, problem-solving, initiative and enterprise, planning and organising, self-management as well as learning and technology skills.

Why: This course upskills and develops students with the fundamental skills necessary for employment and life beyond college.

MATHEMATICS TUTORIALS (R)

What: Mathematics Tutorials are available at designated times each week. A student attending a minimum number of hours of tutorial as an R unit may achieve additional points for their Senior Secondary Certificate.

Why: Any student may attend to get help with their work on a regular basis or only when they need help.

For more information on Mathematics and other Learning Areas please visit www.ltc.act.edu.au

PERFORMING ARTS

Lake Tuggeranong College has a long and proud history of high quality performing arts programs. Our college productions have won Canberra CAT awards, justly reflecting the skills and talents of students and staff.

DANCE (A/T)

What: Dance styles studied in this course will vary depending on the focus of the unit, which could be contemporary, jazz, hip hop or ballet. Similarly, theory topics will vary according to the unit and range from historical developments, the role of dance in society, human anatomy and physiology for dancers, composition concepts, movement analysis, and the impact of media on dance.

Why: This course benefits students who aspire to a career in dance or in a related industry, as well as to those with an interest in and commitment to dance for recreation and fitness. Previous dance experience is not necessary for enrolment into this course and students with a range of experience and skill level can be catered for. Dance performance opportunities exist for students who wish to extend their dance studies beyond the BSSS course.

DRAMA (A/T)

What: Drama is a subject which explores human traditions and experiences in ancient and modern contexts. It has the potential to bring together all other art forms. Students learn and develop skills through studies in voice, movement, improvisation, role play simulations and collaborative team performances of existing plays and newly created pieces.

Why: Students develop intellectual, literary, physical, creative and emotional learning. Problem solving abilities and creativity are fostered through analysis, research, synthesis, images and narratives. These skills are highly valued by tertiary institutions and all employers. Performance opportunities exist for students who wish to extend their studies beyond the BSSS course.



MUSIC (A/T/M)

What: The Music course provides opportunities for all students to learn, improve and master numerous skills through theoretical, analytical, historical, compositional, and practical aspects of music. The course is designed to address intercultural understanding, creative thinking and communication in a constantly changing global context.

Why: Students develop skills and knowledge through traditional and contemporary music units. They will develop personal capability in communication, creative analytical thinking, and confidence through public performances and involvement in school productions. Performance opportunities exist for students who wish to extend their studies beyond the BSSS course. Skills gained through Music studies are highly valued by tertiary institutions and all employers.



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For more information on Performing Arts and other Learning Areas please visit www.ltc.act.edu.au

PHYSICAL EDUCATION

EXERCISE SCIENCE (A/T)

What: Exercise Science is a theory-based course with a practical application geared towards the science of human movement. This course has a focus on how the human body works, human performance, fitness and physical activity.

Why: It is highly recommended for those who wish to enter into further studies in the fields of teaching, nursing, physiotherapy, sports studies, paramedics, medicine, coaching, recreational, ambulance officer, chiropractor and other related fields.

HEALTH AND WELLBEING (A/T/M)

What: Health and Wellbeing focuses on the understanding of health in the context of society, and the mechanisms necessary to develop and promote health for individuals, groups, communities and nations.

Please note that this course does not have the same physical activity component as the other Physical Education courses on offer here.

Why: This course prepares students for career and employment pathways in a range of professional and allied health and community service sectors.

PHYSICAL EDUCATION (A)

What: The course concentrates on practical experiences in individual, team and recreational sports. Emphasis is on development of skills, personal fitness and understanding of the importance of regular physical activity for a healthy lifestyle.

Why: This course is open to students of all skill levels and physical abilities. Physical Education enables students to pursue their interest and enjoyment of physical activities. This course is strongly recommended to those who wish to improve skills and continue their physical education.

SPORTS DEVELOPMENT (A/T)

What: The course includes physical training where strength and conditioning components are tailored to meet the needs and capabilities of the individual, with a focus on the individual athlete's sport. Students will undertake regular strength and conditioning sessions at Club Lime to improve upon and maintain their physical condition.

Why: Sports Development is an integral area of study for the elite and competitive sports person that actively engages students in their intellectual, social, emotional and physical development. Entry to this course is based on participants being competitive sports people in regular community competition or the commitment to be so.



PROFESSIONAL SERVICES

BUSINESS (A/T)

What: This course focuses on the study of the essential planning requirements ranging from a small business to the broader roles of management, finance, human resource management, marketing, e-business, ethical practices, sustainability and the impacts of implications of the future business environment.

Why: Students gain an understanding of the structure and operation of businesses, and prepare a business plan, which prepares them for the real world of work. The Business course provides continuity with many pathways into tertiary and industry studies.

BUSINESS SERVICES (A/V)

What: This course provides students with the knowledge, skills and understanding of business practices, procedures and concepts relevant to working in a business service and/or business industry environment.

Why: Students can achieve a Certificate II in Business and a Certificate III in Business (Statement of Attainment). They learn to analyse, problem solve, make decisions and develop interpersonal and intrapersonal skills which are highly suitable for employment and further training in a wide variety of industries.

LEGAL STUDIES (A/T)

What: Legal Studies provides students with an insight into the criminal justice and political systems on a local, national and global level. Students explore issues of law and society and evaluate the role of the justice system's role in society.

Why: Legal Studies isn't just about becoming a lawyer. Students studying the course gain a better understanding of their opinions, enhance their skills to develop persuasive, evidence-based arguments and critically evaluate problems and solutions.

SOCIAL AND COMMUNITY WORK (A/V)

What: This course provides students with an introduction to working in the various community services and care sectors in our community - children, the elderly, people with disabilities, youth. We learn about caring for different groups, the issues they face and how we can support and advocate for their needs.

Why: This industry is one of Australia's fastest-growing employment sectors. Many of our graduates can walk out of college into full time work because of their grounding in the sector via this course. Combine study with Work Experience and/or an ASBA in the field, and you are well on your way to securing a post-college career with purpose.

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TOURISM AND EVENT MANAGEMENT (A/M)

What: Tourism and Event management examines and evaluates the impact of social, cultural and environmental issues from a tourism and hospitality perspective. It covers the industry as a workplace as well as a contributor to our economy.

What: This course supports the development of attributes needed for those considering a tourism industry career whilst contributing to both life and employability skills.





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SCIENCE

AGRICULTURE (A)

What: Agriculture is a differentiated course developing expertise in areas of crop production, livestock management, plant cultivation and agricultural economics. Students maintain the agriculture plot and glasshouses at the college as part of this course.

Why: Agriculture provides for students who have an interest in agriculture and who may wish to pursue further studies in the rural industry as well as those who want a career in this field but are not tertiary bound. Agriculture makes provision for students who have an interest in science but may not wish to specialise

BIOLOGY (A/T)

What: Biology is the scientific study of living organisms and their environment. The course will enhance your understanding of the natural world and the place of people and other organisms within it.

Why: It is perfect for students intending to pursue careers in areas such as physiology, nursing, paramedical or medical sciences, wildlife biology, zoology, botany, genetics, biochemistry, forestry and natural resources.

CHEMISTRY (T)

What: Studying chemistry develops analytical and critical thinking through exploration of chemical composition, structure and properties of atoms and molecules. Chemists understand what matter is made of, can predict and control its changes, and analyse how chemistry has shaped society.

Why: It is a central scientific discipline. Chemistry is strongly recommended for those with an interest in pursuing science tertiary studies which include pharmacy, veterinary science, chemical engineering, genetics and medical science.

FLIGHT (A/T)

What: This unique science-based course is a supportive and cost-effective structure for initial flight training. The course is structured around the theoretical requirements of the Commercial Pilots licence and integrates extensive flight simulator training in class.

Why: Flight provides an excellent head-start for a future career in aviation, aeronautical engineering, or other aviation branches. Flying training is not a prerequisite to the course.

HUMAN BIOLOGY (A/T)

What: Human Biology examines the human body and its interaction with the environment. This interdisciplinary study develops skills and understanding from a range of subjects, including anatomy, physiology, epidemiology, anthropology, ecology and sociocultural influences.

Why: This major provides a solid grounding for further study in biological and biomedical science. Study of human biology is fundamental for careers in global health and disease, laboratory research and support, pharmaceutical industry and sales, and biotechnology.

INTERDISCIPLINARY SCIENCE (A/T)

What: Students that undertake Interdisciplinary Science have a general interest in science as a subject and are looking to have a broad package without necessarily specialising in a particular field of science. Students explore key concepts and models through active enquiry and projects. The course is taught with a focus on an area of student interest, such as Forensic Science or Animal Science.

Why: The study of Interdisciplinary Science equips students with the skills to be independent thinkers and life-long learners who are confident to pursue a wide range of study pathways and careers in an increasingly globalised society.

PHYSICS (T)

What: Physics investigates the fundamental nature of the physical universe. This mathematical science provides students the with opportunity to make quantifiable predictions about the natural world, and test these through rigorous experimental investigations.

Why: A study of physics develops high levels of analytical and critical thinking which are applicable across a wide range of technologically based careers. It provides a strong basis for tertiary studies requiring data analysis.

TRADES TRAINING & SERVICE INDUSTRIES

AUTOMOTIVE TECHNOLOGY (A/V/M)

What: Interested in all things Automotive? Then go no further! Topics covered include Automotive Fundamentals, Automotive Electrical Systems, Vehicle Systems and Engine Systems. Completing this course will provide foundation knowledge and skills especially for those interested in employment in the Automotive field.

Why: The 2020 Skills Needs List identified multiple shortages of Motorcycle Mechanics, Alternative fuel Technology, Agricultural Mechanics, Heavy Commercial Vehicle Trailer Technology and Mechanical Diagnostics. Through our close relationship with CIT and industry, we can help students to pursue these career opportunities in the Automotive Industry. This is a flagship course at LTC, conducted in state-of-the-art workshops.

CONSTRUCTION PATHWAYS (A/V/M)

What: This course is designed for those who enjoy hands-on learning and have an interest in developing their skills and knowledge in the area of carpentry and building construction. With a focus on project-based learning, students will learn the processes and practices involved in a variety of construction industry vocations.

Why: This course, taught in our purpose-built training facility, will set you up not only for a lifelong love of building but an open door to a career pathway in the construction industry. This course leads to a Certificate II in Construction Pathways where all competencies have been successfully completed.

FURNITURE MAKING (A/V/M)

What: Furniture Making will provide students with the knowledge, skills and understanding needed to look at a career in this industry. Students will gain an understanding of and become skilled in industry practices, processes, procedures and concepts in working with timber for furniture construction. Our Furniture Making course is delivered in a state-of-the-art workshop with teachers who are industry qualified.

Why: Furniture Making is a trade-focused course which has the nationally recognised qualification MSF20313 Certificate II in Furniture Making embedded in this course. Students who complete all thirteen units of competency will be awarded this qualification on completion of this course.

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METAL PRODUCTS (A/M)

What: Metal Products is for students with an interest in practical metalworking skills. The course has a large practical component with students developing relevant technical skills to design and make a range of metal products.

Why: This course is intended to meet the needs of students who have a general interest in industrial technology trades as well as those intending to choose a career pathway into traditional metal trades and related service industries (this includes fitting and machining, light fabrication and boiler making).

TIMBER PRODUCTS (A/M)

What: Timber Products is for students with an interest in gaining practical woodworking skills. The course has a large practical component with students developing relevant technical skills to design and make a range of timber products.

Why: In Timber Products students learn to use tools and timber materials to design and create timber products. They learn skills that are useful for life, for recreation or as a transition to employment or further education.



LTC 2021 PROSPECTUS LEARNING AREAS

VISUAL ARTS

This learning area offers dynamic, practical and theoretical design courses that are responsive to the interests and needs of all students.

CERAMICS (A/T/M)

What: Ceramics offers the students the opportunity to explore a wide range of clay building, turning, glazing techniques and firing in a kiln. Students learn about the history of ceramics as well as aspects of all types of clays, firing, and glazing as well as exploration of colour. Students can study this unit in conjunction with Glass Art and Visual Arts.

Why: Students develop 3-D drawing skills as they invent, design, then produce quality art pieces for display. The technical skills acquired can open pathways to courses offered by ANU are essential for various creative and construction industry jobs.

GLASS ART& DESIGN (A/T/M)

What: Students learn about the history of glass as well as safe and responsible use of glass, tools, materials and firing in a kiln. They will be taught how to cut, arrange, construct and explore the vast ways in which to create fantastic glass works, Students can study this in conjunction with Ceramics and Visual Arts.



Why: This is a subject unique to Lake Tuggeranong College and the course is designed to satisfy the broad demands of students looking to enter work areas which value creativity, self-motivation and technical expertise. Students gain exposure to experimentation to solve design problems as well as research into the versatility of glass as a creative medium.

MEDIA (A/T/M)

What: The Media course offers students the opportunity to study the theory and concepts related to digital technology and produce practical projects using the industry standard facilities at the college. Students examine the communication process in the mass media particularly television, film, radio, digital sound, print and multimedia.

Why: Our computer platform hosts Mac computers that are equipped with the complete Adobe Creative Suite giving students the latest software used by the Photographic and Graphic Design industries. This course prepares students for the Media industry and will have a portfolio of Media work which could be used to gain entry into tertiary institutions, or department and creative industry jobs.

PHOTOGRAPHY (A/T/M)

What: This course is supported by Lake Tuggeranong College's excellent photographic facilities, including two digital photography labs and a photography lighting studio. Units range from introductory digital to more advanced art photography catering for students of all ability levels. Our computer platform hosts Mac computers that are equipped with the complete Adobe Creative Suite giving students the latest software used by the Photographic and Graphic Design industries. Students have opportunities to print images to a professional standard using our large format colour printer.

Why: Students studying this subject can use this portfolio to apply for tertiary courses offered by ANU, UC, CIT, other universities and creative industry jobs. It also enables them to build skills that could be useful for part time employment opportunities.

VISUAL ART (A/T/M)

What: Visual Art provides practical and theoretical experiences to develop core knowledge of art as well as drawing skills, painting skills, and an appreciation of the visual arts whilst working with a broad range of materials. Students can study this in conjunction with Ceramics and Glass Art.

Why: Students develop creative and critical thinking skills as they design and produce a portfolio of work in their visual art diary. Students studying this subject can use this portfolio to apply for visual arts courses offered by ANU, UC, CIT, other universities and creative industries.

EXTRA-CURRICULAR STUDIES

In addition to the curriculum on offer directly by the college, students may elect to participate in courses from other educational providers – some of which can contribute to their senior secondary certificate.



COURSES	PROVIDER
<p>REGISTERED (R) UNITS</p> <p>Students enrol in units at the commencement of each semester. Recognition of hours spent outside college hours is also possible. There are no prerequisites, but course costs may be incurred. The units vary from year to year. Examples of areas covered include: Gotta Get VET, Community Service, Debating, Dance Festival, Sport, Music Production, Road Ready, Sustainability and subject-based participation and tutorial support.</p>	<p>LAKE TUGGERANONG COLLEGE</p>  <p>Lake Tuggeranong College LEARN • THRIVE • CONNECT</p>
<p>CIT OPPORTUNITIES</p> <p>College students can avail themselves of courses offered at the Canberra Institute of Technology (CIT – RTO Code 0101). Course offerings have previously included: Spatial and Surveying, Childcare, IT, Library Studies, Business, Travel, Accounting, Bar service and MYOB. Students interested in these options should make an appointment with the Careers team at college to see how this might contribute to their Senior Secondary Certificate.</p>	<p>CIT (TUGGERANONG)</p>  <p>Canberra Institute of Technology</p>
<p>ANU EXTENSION PROGRAM</p> <p>Admittance is by application via ANU processes. There is no entry fee but some course costs. See Careers at LTC and visit http://extension.anu.edu.au/</p> <p>Courses include: Chemistry, Specialist Maths, Biodiversity, Continuing Japanese, Advanced Japanese, Continuing Chinese, Beginning Korean, Astrophysics, Discovering Engineering, Physics.</p>	<p>AUSTRALIAN NATIONAL UNIVERSITY (ANU)</p>  <p>THE AUSTRALIAN NATIONAL UNIVERSITY</p>





CONTACT US

LAKE TUGGERANONG COLLEGE

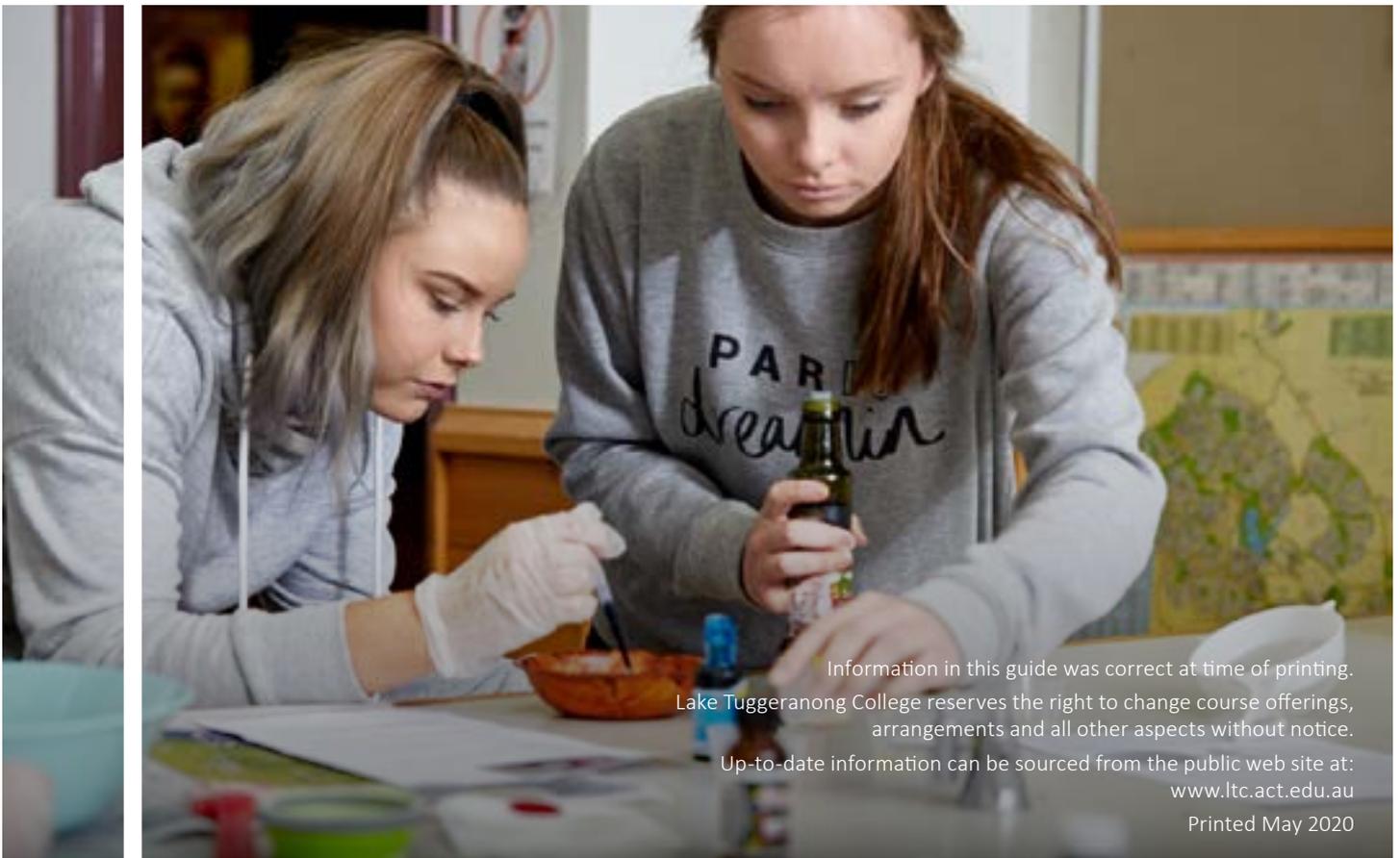
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Information in this guide was correct at time of printing.

Lake Tuggeranong College reserves the right to change course offerings, arrangements and all other aspects without notice.

Up-to-date information can be sourced from the public web site at:
www.ltc.act.edu.au

Printed May 2020



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Education

www.ltc.act.edu.au
www.laketuggeranongcollege.wordpress.com



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