



UNIVERSITY of
TASMANIA

Launceston activities

Workshop name	Faculty	Description
Law moot	Law	<p>Students are split into two teams, being the 'prosecution' and the 'defence'. They are then given two problems relating to stealing and assault, given the definition of the crimes under the Tasmanian Criminal Code, and cases which are used to interpret the elements of the crimes.</p> <p>After the teams have worked out a response to the problem, they are then required to deliver their arguments to the 'court', justify their contentious points, and convince their peers that they are correct!</p>
Psychology in action: obedience and authority	Health and medicine	<p>Get first-hand experience on how psychology helps us understand why people do seemingly inexplicable things in the presence of an authority figure.</p>
Discover human anatomy with body painting	Medicine, Medical Research, Biomedicine	<p>How well do you know your human anatomy? Can you accurately recall the position and shape of muscles and the underlying structure beneath our skin? Anatomical body painting is used to help students recognise the location tracking and insertion points of muscles and understand the primary movement associated with each muscle group.</p> <p>utas.edu.au/news/2016/4/22/71-innovative-teaching-turns-anatomy-inside-out</p>
Exploring performance	Theatre and Performance, School of Creative Arts and Media	<p>A drama workshop exploring how we interpret and embody performance texts. We will warm up, play some drama games, and investigate how a text can be lifted from the page to the stage through voice and movement. A fun and challenging session introducing participants to how we explore theatre and performance at the University of Tasmania – through critical thinking, playful exploration, and physical transformation.</p>
Earth Sciences: Geology	Earth Science	<p>This activity will introduce students to the foundations of geology, why it is important, and the scope of career opportunities that are related to this field of science.</p> <p>Students will have an opportunity to explore environmental geology, which can be applied to real-life examples in Tasmania, such as research being undertaken to mitigate effects of mining.</p> <p>Students will also learn about economic geology by identifying key ore mineral in rocks and its use in our everyday lives.</p>
CHALLENGE Manage your team, weigh your ship, come in first!	Australian Maritime College	<p>The logistics workshop provides students with a better understanding of logistics and relevant careers. The workshop will engage students to participate in a simulation game in relation to a decision making in investing a ship loader for loading iron ores to ships. Students will be divided into groups and compete to find out the lowest loading rate of iron ore to meet the target ship queuing time at a seaport in Western Australia.</p>
Light and lasers	Physics (Bachelor of Science)	<p>Refraction and diffraction of light. Using rays of light, we will calculate the index of refraction of several prisms to determine whether the index of refraction is an intrinsic property of the material or is a function of the shape of the prism. As a primer for university-level physics, we will then demonstrate laser diffraction effects in some interesting ways.</p>

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Will it sink or float? Test your boat!	Maritime Engineering	<p>In the Maritime Engineering activity, students will learn to calculate buoyancy. This activity will enable to students to use mathematics (already learnt in school) to solve an engineering problem related to water.</p> <p>In small groups, students will be required to:</p> <ul style="list-style-type: none"> • design work/modifications • use mathematics to calculate displacement • undertake construction of designs • undertake testing of designs.
Mathematical surprises	Mathematics, Statistics, Operations Research	<p>In this workshop, we will work through three short activities that demonstrate how mathematics can surprise you.</p> <p>In the first game: Seven Questions One Lie – you will be asked to think of a number. After answering our seven questions, we'll be able to tell you what your number was, and also if and where you lied. The mathematics behind this trick is the same as is used when transferring information digitally in a way that can detect and correct for errors in transmission.</p> <p>In the second activity (known as the Birthday paradox), we will work out the probability that in any given group of people two people, share a birthday. The number of people required for the probability of a shared birthday to be greater than 0.5 is surprisingly small.</p> <p>In the last activity, we will imagine we're back in WW2. You'll try and work out where best to add armour to planes to prevent them being shot down</p>
Chemistry in the laboratory	Chemistry	Students will have the opportunity to participate in a practical lab activity that will give them a genuine, hands-on chemistry experience.
Impacts of the environment – dissect the truth	Bachelor of Marine and Antarctic Science	<p>Our ambassadors will talk to the students about their current studies within Ecology and Biodiversity at IMAS on marine pollution's impact on wildlife.</p> <p>The activity will see students Investigating the sublethal impacts of plastic ingestion in Australia birds.</p>
Discover your passion and skills for teaching	Education	Discover your teaching passion and skills through juggling. This workshop examines how juggling can be used as a method for students to learn a skill, but more importantly, how a skill can be taught. The value of demonstration, feedback, and motivation towards learning will be discussed.
Climate Justice: Who pays? Who should pay?	Humanities, Philosophy	It's going to cost a lot to deal with climate change: reducing emissions, reforestation land, and tackling drought, flooding, food security, disease outbreaks, and economic impacts. But who should pay for all this? In this session, students will take on the perspectives of different nations about what's really fair in grappling with an unintended but wicked problem.
Music from household objects	Music Composition/ Performance/ Technology	<p>Learn how to create and record musical instruments from household objects. Possibilities for musical expression are all around us. Can a bottle be a flute, or a drum, or a bass instrument? The answer is yes.</p> <p>Harness the power of technology to create musical instruments, record and sequence your performance and create a song.</p> <p>We will be demonstrating and using the latest technology to ignite your imagination and turn your ideas into musical expression.</p>
Visualising your future in the Tech Industry	Technology, BICT	Students will get hands-on experience with augmented and virtual reality (AR/VR) technologies. Explore construction sites and forests in our purpose-built Human Interface Technologies Lab.
Spot the Stomata	Agriculture: B Agr.Sci, and B App. Sci (Agr and Bus)	Stomata are pores found on the surface of leaves that facilitate the movement of carbon dioxide, oxygen, and water into and out of the plant. They are actively opened or closed by the plant and play a critical role in photosynthesis, water transport and plant respiration. In this practical, students will prepare imprints of leaf surfaces to examine stomata through a microscope and discuss how these plant adaptations can be utilised to improve water sustainability in modern agricultural systems.
Engineering challenge	Engineering	Do you enjoy studying maths and science? Do you enjoy being creative? Engineering allows you to pursue both of these simultaneously. Find out the impact engineering has on the world, and participate in a hands-on engineering challenge.

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Social Work	Social sciences	In this workshop, students will have the opportunity to explore a sensitive issue. Social work practice focuses on prevention and response to difficult situations that people can face including issues of violence, poverty, and mental illness. You will gain insights into 'a day in the life of a social work practitioner'. If you are passionate about contributing to a more socially just society and want to learn how to protect and strengthen people's human rights, then this is an experience for you!
Your career in Nursing	Health and Medicine	Did you know nursing is one of the fastest growing professions in Australia? Secure a stable career, help others, and give back to the community. We will immerse you in our Nursing teaching labs where you will monitor patients (mannequins), learn the importance of hand hygiene, and experience different patient scenarios.
Laboratory Medicine: more than microscopes	Health and Medicine	Ever wondered what happens in the labs when you have a blood test taken? And how the scientists can analyse your blood to determine an illness? Get hands-on in the labs with our scientists and see the process of analysis behind the scenes. We will run you through testing scenarios and determination of an infection or disease.
Allied Health: find out where this can lead you	Health and Medicine	Ever used an ultrasound machine? Want to see the effects of your core muscles engaging on a big screen? We'll let you get hands-on across a range of careers including medical imaging, you'll get to test the effects of Pilates on the body and the science behind this. You'll also get hands-on with balance training and meet our team of Exercise Physiologists.
Discover your direction: forge your future	Business and Economics	A career in business is your opportunity to make a living doing what you love. Workshop your ideas and develop your skills profile to find out where those strengths can take you. Finding your natural strengths will lead you to a career where you perform with confidence, knowledge, passion, and success.
Environmental Resource Games	Business and Economics	Students will be challenged to manage environmental resources, in the hope of mitigating climate change. The question is, will they choose profit at the risk of environmental damage, or sacrifice profits for the public good?



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Sandy Bay activities

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Law moot	Law	<p>Students are split into two teams, being the 'prosecution' and the 'defence'. They are then given two problems relating to stealing and assault, given the definition of the crimes under the Tasmanian Criminal Code, and cases which are used to interpret the elements of the crimes.</p> <p>After the teams have worked out a response to the problem, they are then required to deliver their arguments to the 'court', justify their contentious points, and convince their peers that they are correct!</p>
Paramedic	Health and medicine	<p>CPR challenge: compete against each other on our interactive CPR mannequins while assessing accurate chest compressions.</p> <p>Learn about your study options and what it's like to be a Paramedic in the field. Do you have what it takes?</p>
Psychology in action: obedience and authority	Health and medicine	<p>Get first-hand experience on how psychology helps us understand why people do seemingly inexplicable things in the presence of an authority figure.</p>
Discover human anatomy with body painting	Medicine, Medical Research, Biomedicine	<p>How well do you know your human anatomy? Can you accurately recall the position and shape of muscles and the underlying structure beneath our skin? Anatomical body painting is used to help students recognise the location tracking and insertion points of muscles and understand the primary movement associated with each muscle group.</p> <p>utas.edu.au/news/2016/4/22/71-innovative-teaching-turns-anatomy-inside-out</p>
Artist correspondence: collaging for mail art	Visual Arts	<p>Mail art is a movement based on the principle of sending small-scale works through the postal service. It provides artists an alternative space to share work that bypasses official art systems.</p> <p>Students will choose a key word to select images and text from magazines. From this selection, they will create a collage to develop custom-edition art envelopes using a photocopier.</p> <p>Send your correspondence to the Art School and you will get some mail art in return.</p>
Earth Sciences: Geology	Earth Science	<p>This activity will introduce students to the foundations of geology, why it is important, and the scope of career opportunities that are related to this field of science.</p> <p>Students will have an opportunity to explore environmental geology, which can be applied to real-life examples in Tasmania, such as research being undertaken to mitigate effects of mining.</p> <p>Students will also learn about economic geology by identifying key ore mineral in rocks and its use in our everyday lives.</p>
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Impacts of the environment: dissect the truth	Bachelor of Marine and Antarctic Science	<p>Our ambassadors will talk to the students about their current studies within Ecology and Biodiversity at IMAS on marine pollution's impact on wildlife.</p> <p>The activity will see students Investigating the sublethal impacts of plastic ingestion in Australia birds.</p>
Have you ever wondered what it would be like to be a teacher?	Education	Have you ever wondered what it would be like to be a teacher? In this hands-on workshop, you will have the opportunity to try different teaching techniques out with your friends and have the chance to talk to university students who have chosen to follow a career in primary or secondary teaching.
Naked Greek bodies!	Humanities, History and Classics	Why are some people in ancient Greek and Roman art naked and others clothed? Why would anyone walk naked onto a battlefield? Why would you want to find naked people lurking in the bottom of your drinking cup? Learn the answers to all these questions and more on a quirky hunt through the University of Tasmania's collection of original artworks and other objects from over two thousand years ago.
Music from household objects	Music Composition/ Performance/ Technology	<p>Learn how to create and record musical instruments from household objects. Possibilities for musical expression are all around us. Can a bottle be a flute, or a drum, or a bass instrument? The answer is yes.</p> <p>Harness the power of technology to create musical instruments, record and sequence your performance, and create a song.</p> <p>We will be demonstrating and using the latest technology to ignite your imagination and turn your ideas in to musical expression.</p>
Discover the secrets behind cybersecurity	Technology, BICT	Discover the many ways cybersecurity experts work to protect us, our data, and our money from the black hats out there in cyberspace. Students will participate in the ASDCyber Experience program and spend a day (condensed to 45 minutes) in the shoes of a cybersecurity expert working for the Australian Signals Directorate.
Spot the Stomata	Agriculture: B Agr.Sci, and B App. Sci (Agr and Bus)	Stomata are pores found on the surface of leaves that facilitate the movement of carbon dioxide, oxygen, and water into and out of the plant. They are actively opened or closed by the plant and play a critical role in photosynthesis, water transport, and plant respiration. In this practical, students will prepare imprints of leaf surfaces to examine stomata through a microscope and discuss how these plant adaptations can be utilised to improve water sustainability in modern agricultural systems.

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Brexit vote: Stay or leave? Politics and international relations	Social Sciences – Politics and international relations	In this workshop, students will learn all about Brexit, how this was portrayed in social media, and the implications it will have for the UK, EU, and Australia. Students will gain a special inside view on how a parliament works and get an opportunity to place their vote to stay or leave! If you have ever wondered what it would be like to be a politician or to work in parliament house, then come along and experience it for yourself.
Using media	Media School	Video Charades: Groups of four students will storyboard and film a 4-6 scene film to communicate a topic provided. The films will then be shown (unedited) to the whole class to guess what the topic is. The workshop will demonstrate basic elements of visual storytelling, storyboarding, and framing.
Pharmacy computer simulation: Community pharmacy – blood pressure monitoring etc	Pharmacy	Pharmacy Simulator – Be a pharmacist! Play through patient scenarios in a simulated community pharmacy game. Learn the role and responsibilities of a community pharmacist by helping virtual patients address their health concerns. Blood pressure monitors – Your local pharmacist does much more than dispense medicines. These days, pharmacies are expanding their services to include health checks. In this workshop, you will have a chance to test your own blood pressure and find out what practical advice pharmacists can offer on how to improve general health and wellbeing.
Engineering challenge	Engineering	Do you enjoy studying maths and science? Do you enjoy being creative? Engineering allows you to pursue both of these simultaneously. Find out the impact engineering has on the world, and participate in a hands-on engineering challenge.
Your career in Nursing	Health and Medicine	Did you know: nursing is one of the fastest growing professions in Australia? Secure a stable career, help others, and give back to the community. Get hands-on with our training equipment, where you will monitor patients (mannequins), learn the importance of hand hygiene, and experience different patient scenarios.
Environmental resource games	Business and Economics	Students will be challenged to manage environmental resources, in the hope of mitigating climate change. The question is, will they choose profit at the risk of environmental damage, or sacrifice profits for the public good?
Allied Health: Exercise Science and more	Health and Medicine	Thinking of a career in exercise sport science but not too sure what that would look like? Get hands-on and play with our Vo2 max testing gadgets that we use to test the performance of elite athletes. You'll get to test and see performance outputs and discover how that translates to increased performance and more power.
Discover your direction: Forge your future	Business and Economics	A career in business is your opportunity to make a living doing what you love. Workshop your ideas and develop your skills profile to find out where those strengths can take you. Finding your natural strengths will lead you to a career where you perform with confidence, knowledge, passion, and success.