

2023





# Flinders University's services are designed for you and your school's needs.

## 2023 diary dates

Date	Topic
17 & 23 March (repeat)	New in Careers Counsellor Event
2 & 3 April	Tertiary Studies & Careers Expo
12 & 13 May	Careers & Employment Expo
23 June	Schools' Professional Development Day
June	The Science and Engineering Challenge
11 & 12 August	Flinders University Open Days (Bedford Park campus)
19 August	Flinders University Open Day (Tonsley campus)
September	STEM Teacher Professional Development Evening
September	Enrichment Days
October	School Holiday STEM Experiences
December	STEM Teacher Professional Development Evening

Register today for these Flinders University events at: [Flinders.edu.au/events](https://flinders.edu.au/events)

## Professional development for teachers

Flinders offers the following services for teachers:

- Whole-of-staff training (e.g. university myth buster session, or guest speaker on topical issues)
- New pathways to university information sessions (open to all student advisors/coordinators).

## Supporting your students

Flinders offers the following programs for students:

- Extension Studies (Year 12 students): [flinders.edu.au/extension](https://flinders.edu.au/extension)
- UniTEST (Year 12 students): [flinders.edu.au/unitest](https://flinders.edu.au/unitest)

## Services for schools

We provide a diverse range of services and programs to secondary school students, teachers and parents to help guide, inspire and share a greater understanding of what Flinders has to offer. Our information sessions and activities are tailored to suit your preferences and most can be held at your school or on our campuses.

STEM Workshops are adapted to the different year levels and aligned with the SACE curriculum links. These workshops have been developed by academics and are designed to be held at Flinders University campuses.

To make a booking or to discuss your school needs, please contact us:

[schools@flinders.edu.au](mailto:schools@flinders.edu.au)

08 8201 5322

[Flinders.edu.au/schools](https://flinders.edu.au/schools)

## Stay Up-To-Date

- Teachers can subscribe to our Focus on Flinders e-news: [flinders.edu.au/schools](https://flinders.edu.au/schools)
- Students can subscribe to Flinders Explorer e-news and blogs: [flinders.edu.au/explorer](https://flinders.edu.au/explorer)
- Online Webinars: [flinders.edu.au/study/events-key-dates](https://flinders.edu.au/study/events-key-dates)
- Short Courses: [flinders.edu.au/engage/community/short-courses](https://flinders.edu.au/engage/community/short-courses)
- International Centre for international students: [INTLadmissions@flinders.edu.au](mailto:INTLadmissions@flinders.edu.au) or (08) 8201 2727
- Yungkurinthe Student Engagement : [yungkurinthe@flinders.edu.au](mailto:yungkurinthe@flinders.edu.au) or 1800 641 811





# Activities and workshops 2023

ACTIVITY	DESCRIPTION	CURRICULUM LINK/STUDY AREA	RECOMMENDED TERM	YR 12	YR 11	YR 10	YR 9	YR 8	YR 7
<b>Campus Visits</b>	An immersive experience for students to explore Flinders University in real life. Each campus visit is enriched with tours, information sessions and interactive workshops, specifically chosen to meet the schools and students' needs and interests.	General	Any	•	•	•	•	•	•
<b>Careers Presentation</b>	An introduction to careers covering work experience, resume writing and the future world of work.	General	Term 2 & 4			•			
<b>Extension Studies Presentation</b>	The benefits of Extension Studies, how it fits in with Year 12, and the topics available to study.	General	Term 4		•				
<b>Flash Mentoring</b>	A networking activity for students to connect and learn from a group of current university students about their study areas, university life, and career prospects.	General	Any	•	•	•	•	•	•
<b>Flinders Student Experience Presentation</b>	The student experience at Flinders University, as presented by a current student.	General	Term 1 & 2	•					
<b>Information Night</b>	For parents and students at a tertiary information evening, we cover courses and pathways, university life and the application process.	General	Term 3	•	•	•			
<b>One-on-One Appointments</b>	We offer students the opportunity to ask questions about their study options and pathways in a personalised appointment with a Student Advisor at your school.	General	Term 3	•					
<b>Pathways Presentation</b>	A presentation on the different pathways to university and our courses.	General	Term 2	•	•				
<b>Pathways to Medicine</b>	A presentation on pathways to study Medicine and Allied Health courses, including best practice approaches.	Medicine and Allied Health	Term 2	•	•				
<b>Research Project</b>	Presented by a Flinders student covering an introduction to research project, creating a question, tips, examples and how Flinders researchers can assist.	PLP	Term 1 & 4		•	•			
<b>SATAC Application Guide</b>	A How-To presentation covering the SATAC application process and terminology.	General	Term 3	•					
<b>Student Tertiary Panel Presentation</b>	The Student Tertiary Panel is comprised of a group of current Flinders students from a range of specialised study areas to answer your students' questions.	General	Term 1	•	•				
<b>Subject Selection Evening (booth and presentation)</b>	Attending your school's subject selection, our Student Advisors can deliver a presentation and staff a booth during the event.	General	Term 3 & 4		•	•			
<b>UniTEST</b>	An access program offered to Year 12 students as an admission pathway to Flinders University. UniTEST is an aptitude test to evaluate students' abilities and aptitudes over three core areas: Quantitative, Critical and Verbal Reasoning, which are crucial to academic success in higher education.	General	Term 3 & 4	•					
<b>Webinars</b>	As well as our full webinar program, we offer tailored webinars to students covering courses, pathways and student experience at a time that suits your timetable.	General	Any	•	•	•			
<b>Yr 12 Presentation</b>	Tips on how to get the most out of year 12, life at Flinders, course information, adjustment factors, how to apply, important dates and pathways.	General	Term 1 & 2	•					
<b>Yr 11 Presentation</b>	An introduction to university life, choosing a course, study areas, prerequisites explained, and pathways.	General	Term 2 & 3		•				

ACTIVITY	DESCRIPTION	CURRICULUM LINK/STUDY AREA	RECOMMENDED TERM	YR 12	YR 11	YR 10	YR 9	YR 8	YR 7
<b>Academic Writing</b>	Get a taste of life as a university student with this crash course in academic writing and referencing!	General	Any	•	•	•			
<b>App Development</b>	Students use the MIT App Inventor, a cloud-based visual programming interface, to develop their own Android app aimed at improving concentration and response times.	IT / Design & Technology	Any			•	•	•	
<b>Allied Health</b>	A combined Allied Health workshop that provides students with an insight into the role health professionals play in an interconnected web. This workshop demonstrates both the complexities and benefits of learning and working in the Allied Health sphere.	Health	Any	•	•	•	•	•	
<b>Analytical Chemistry</b>	Developed to help achieve, cement and extend knowledge of some of the analytical chemistry techniques explored in the SACE Stage 2 curriculum, experiments include chromatography and AAS.	Science (Chemistry)	Term 1	•					
<b>Animal Adaptations</b>	Evolution drives change, but how do scientists explore this? This workshop looks at how animals adapt to their environment from a physiological and behavioural perspective. Students will have the opportunity to study the physiology and behaviour of finches in our full building aviary and conduct experiments on thermoregulatory behaviour.	Science (Biology)	Any				•	•	
<b>Animal Evolution</b>	How do populations respond to selection pressure from humans, invasive species and the environment? Through a hands-on activity, students investigate natural selection and the gene pool in two examples of bird populations. Workshop length varies with year level.	Stage 2 Biology	Any	•	•	•			
<b>Archaeology: Can You Dig It?</b>	Students will learn what archaeologists actually do (and what they don't!), what types of archaeology you can specialise in at Flinders and what that means for employment later on. Students also have the opportunity to get their hands on artefacts, learn some tricks of the trade, and even get their hands dirty with an archaeological dig!	Science / History / Geography	Any	•	•	•	•		
<b>Art Museum Tour</b>	Guided tour of the Flinders University Museum of Art's diverse collection examining Aboriginal and Torres Strait Islander art, conceptual art and European prints.	Art	Any	•	•	•	•	•	•
<b>Assistive Game Controller</b>	Assistive Technology is all around us. These technologies maintain and improve a person's independence, and may include spectacles, pill organisers, communications aids etc. Students will be provided different case studies and will make a prototype of an Assistive Game Controller.	Design and Technology	Any	•	•	•	•	•	•
<b>Bamboo Pens and Japanese Ink</b>	Students learn how to use and paint with bamboo pens and Japanese ink in this art workshop.	Art	Any	•	•	•	•	•	•
<b>Bananas about Nutrition</b>	This workshop invites students to explore the Nutrition and Dietetics pathway through a series of interactive activities and group discussions centred around food, nutrition and health. Students will gain an insight into the types of professionals who work in this field, where they work, and the pathways to become a nutritionist or dietitian at Flinders University.	Health	Any	•	•	•	•	•	•
<b>Big Issues in Education</b>	Interactive presentation where students debate prominent issues in education philosophy which are key to teaching practice.	English / Cross Curricula	Any	•	•	•	•	•	•
<b>Chemical Reactions</b>	Using examples from popular demonstrations such as Elephant's Toothpaste, different reactions are explored and where we encounter them everyday.	Stage 1 Chemistry but base level Science still appropriate (Chemistry)	Any	•	•	•			

## Workshop Activities



## Workshop Activities continued

ACTIVITY	DESCRIPTION	CURRICULUM LINK/STUDY AREA	RECOMMENDED TERM	YR 12	YR 11	YR 10	YR 9	YR 8	YR 7
<b>Codebreaker</b>	An interactive, problem solving workshop that asks students to follow a series of clues to crack the safe, secret agent style.	Cross Curricula / STEM	Any	•	•	•	•	•	•
<b>Completa tu hábitat (What's Your Habitat Like?)</b>	Be part of an indigenous group and work together to learn about your natural environment and how to best take care of it. Session in Spanish.	Languages	Any	•	•	•	•	•	•
<b>Cooling Gases</b>	Chemistry and Physics combine in a fascinating show about states of matter. Students are shown some of the more exciting aspects of this using liquid nitrogen.	Science (Chemistry)	Any			•	•	•	•
<b>Criminology</b>	Learn more about what a criminologist is and does for work, to increase your understanding of how crime is defined, responded to, and experienced by different community groups. We will apply skills and knowledge relevant to criminology to evaluate and tackle the wicked problems faced by contemporary society.	HASS / Legal Studies	Any	•	•	•			
<b>Critical Thinking</b>	Critical thinking is a deeper kind of thinking in which we do not take things for granted but question, analyse and evaluate what we read, hear, say, or write. Challenge your thinking in this workshop and learn one of the skills that will help you study at University.	Cross Curricula	Any	•	•	•	•		
<b>Cybersecurity: Crash Course</b>	With the number of cyber attacks around the world accelerating, our cybersecurity crash course will teach you how to detect crime and how to protect your cyber profile.	IT / Cybersecurity / STEM	Any	•	•	•	•	•	•
<b>Digital Media with CDW Studios</b>	This interactive presentation gives students the opportunity to watch their illustrated character 'come to life' in 2D. Students will discuss animation for gaming and media and opportunities available in the industry.	Art / Digital Media	Any	•	•	•	•	•	•
<b>Discovering Colour</b>	Students will use acrylic paint to learn about primary, secondary and mixing colours as well as learning how colour has shadows and tone.	Art	Any			•	•	•	•
<b>Education Lego</b>	Students will learn the principles and practical application of differentiation through Lego cars.	Education	Any	•	•	•	•		
<b>Exercise Science</b>	Investigate principles of exercise science, sport science and biomechanics through a range of activities and demonstrations.	PE / Outdoor Education	Any	•	•	•	•	•	•
<b>Explore the Spanish-Speaking World</b>	Discover some of the Latin American countries and have fun while learning about their cultures and language.	Languages	Any	•	•	•	•	•	•
<b>Flash Mentoring</b>	University student mentors rotate around small groups discussing their studies, pathway and Uni life as well as answering any questions.	Cross Curricula	Any	•	•	•	•	•	•
<b>Flinders Living Student Presentation</b>	Presentation from a current or past Flinders Living student on options available at Flinders University and personal experience. Includes time for a Q&A.	Cross Curricula	Any	•	•	•	•	•	•
<b>Flinders Living Tour</b>	Tour of accommodation options available on the Flinders University Campus, ideal for rural students.	Cross Curricula	Any	•	•	•	•	•	•
<b>Forensic Biology</b>	Students have the opportunity to run a gel electrophoresis while learning about how forensic biologists use DNA to identify victims and suspects.	Science (Biology)	Any	•	•				
<b>French Scientific Explorations in South Australia</b>	You may have heard of Baudin, Flinders and Encounter Bay. Come and participate in this workshop to learn more about the scientific explorations and hear some fascinating stories!	Languages	Any	•	•	•	•	•	
<b>From Implant to Implantation</b>	This is a biomechanical tour of how an implant goes from the lab door to inside a person's body. The Biomechanics and Implants Laboratory is a world-leading biomechanics laboratory, and this workshop takes students through three-stations, based in the lab: imaging and surgery, implant features and design, and biomechanics testing with the hexapod.	Science	Any	•	•	•			





## Workshop Activities continued

ACTIVITY	DESCRIPTION	CURRICULUM LINK/STUDY AREA	RECOMMENDED TERM	YR 12	YR 11	YR 10	YR 9	YR 8	YR 7
<b>Greek and its "Presence" in English</b>	Find out how, many Greek words exist in a typical English (and not only) dictionary and how by learning Modern Greek, you will get a better understanding of your own language.	Languages	Any	•	•	•			
<b>Greek Mythology's Gods and Heroes in Australia</b>	Have you ever wondered if Greek Mythology's gods and heroes are "hiding" in Australian cities? Explore with us the Australian cities' landscapes where mythological gods and heroes have been used as representational symbols indicating the interconnection of past and present.	Languages	Any	•	•				
<b>International Relations</b>	Have you ever wondered what it is like to make decisions on an international scale? Based on real and contemporary international events, students will team up and solve an international crisis. This workshop provides students with an opportunity to think outside the box, consider different world views, and use team strategy to negotiate the best deal for their country.	Civics & Citizenship / History / Politics	Any	•	•	•	•	•	
<b>It's a World of Languages!</b>	An introduction to the language families of the world. Students use detective skills to compare languages and detect similarities. Session includes information about language study pathways.	Languages	Any	•	•	•	•	•	•
<b>Learn Italian and Welcome the Unexpected</b>	Hear a real story of how learning a language may create unexpected opportunities, and why Italian may open many doors!	Languages	Any	•	•	•	•	•	•
<b>Library Tour</b>	Informative tour of the Flinders University library.	Cross Curricula	Any	•	•	•	•	•	•
<b>Marine Biology</b>	Students learn different and unique physical identifiers that could be found in our local (AUS) dolphin species.	Science (Biology)	Any	•	•	•	•	•	
<b>Megafauna Reconstruction</b>	Interactive palaeontology workshop that involves students reconstructing what various megafauna may have looked like.	Science (Biology) / Art / History	Any	•	•	•	•	•	•
<b>Microbiology</b>	There is an outbreak of food poisoning at a local café and Environmental Health Officers (EHO) have been sent to investigate. Students use microbiology techniques including gram staining to identify the samples to determine what species caused the illness and help the EHO's explain what went wrong in the food handling process.	Science (Biology)	Any	•	•				
<b>Micro- X Industry Tour</b>	Housed at the Tonsley Innovation District, Micro-X welcomes small tours into their work space where they construct and maintain security and medical imaging technologies.	Science (Physics/ Nanotechnology)	Any	•	•	•	•	•	•
<b>Nursing &amp; Midwifery Lab</b>	Interactive session using equipment in nursing laboratories to test various anatomical elements.	Health / Science / PE	Any	•	•	•	•	•	
<b>Oaklands Wetland: Environment Health Module</b>	Water is a valuable resource for humans and contaminated water can cause many health issues. Conduct experiments in a water system to investigate water quality and potential hazards to human health.	Stage 1 & 2 Earth and Environmental Science	Any	•	•				
<b>Oaklands Wetland: How Does a Wetland Function?</b>	By utilising nature as our classroom, students will gain an understanding of the importance of biodiversity and ecosystems, relate these to global environmental issues, and how we can address these at a local-scale. Students will participate in a guided walk through Oaklands Wetland that is nestled within a city landscape.	Stage 1 & 2 Earth and Environmental Science	Any	•	•				
<b>Paramedicine</b>	Interactive session that showcases the equipment and studies of paramedics.	Health / Science / PE	Any	•	•	•			
<b>Portraiture and Proportion</b>	Students use charcoal and chalk and learn to sketch the human face to scale and demonstrate the effect of light through shading.	Art	Any			•	•	•	•
<b>Psych Out</b>	Interactive introduction to brain function and decision making; students will look into case studies of synaesthesia, misdirection, concentration and patience.	Psychology	Any			•	•	•	•

ACTIVITY	DESCRIPTION	CURRICULUM LINK/STUDY AREA	RECOMMENDED TERM	YR 12	YR 11	YR 10	YR 9	YR 8	YR 7
<b>Psychology: Wellbeing</b>	A PhD Psychology student will deliver a presentation focussing on managing a healthy study/work/social balance, with practical tips. Ideal for Year 12 students at the start of the school year.	General Capabilities - Personal and Social Capability	Any	•	•	•			
<b>Research Project</b>	Overview of the Research Project stages, with a particular focus on research sources, including high school access to the Flinders Library and Flinders academics.	Research Project	Term 1	•	•				
<b>Roller Coaster Construction</b>	Students divide into groups and build miniature roller coasters. Students use physics to figure out how to make their roller coasters as fast & exciting as possible. Workshop length varies with year level.	Science (Physics)	Any			•	•	•	•
<b>SAGE Automation Tonsley Tour (external to Flinders)</b>	Tour of SAGE Automation Tonsley Office and Manufacturing facilities. SAGE can talk about all STEM career pathways, alternative pathways, technologies, and industry practice.  Year 10 -12 option – Session with SkillsLab about the digital apprenticeships SAGE offer as an alternative pathway to University.	Careers in STEM/Industry 4.0	Any	•	•	•	•	•	•
<b>Science of Flavour</b>	Our range of food preferences is unique to us, and we experience flavour through a combination of our senses, internal body structure, genes and past experiences. Conduct some basic tests to explore your experience of flavour.	Science (Biology)	Any	•	•	•	•	•	•
<b>Sound Through Light Electronics</b>	Students investigate some properties of light and sound waves by building an electronic circuit that allows them to emit signals with an LED and receive those signals using a small solar panel. Students need to bring along a device for playing music that has a standard audio jack (e.g. mp3 player or smart phone).	Science	Any	•	•	•			
<b>Space Junk</b>	Interactive lecture showcasing space, the new frontier in archaeology.	Science / History	Any	•	•	•	•	•	
<b>Sport &amp; Athlete Workshops</b>	Elite student athletes at Flinders have helped develop new workshops in sport. The workshops cover university pathways, becoming a professional athlete and introducing the diverse career opportunities in elite sport. Available for students in: Cert III Sport & Fitness (or similar) classes, elite students athletes across all year levels, or high performance school sports teams.	Cross Curricula	Any	•	•	•	•	•	
<b>Sport in Society</b>	Sport plays a big role in our society, reflecting the ideas and values we live by in our day to day lives. This interactive workshop will see students engage in and unpack some of the big issues in sport to question what it is we value and who is responsible for bringing about change.	Health, PE	Any	•	•	•	•	•	
<b>Spotlight on Drama</b>	Students will get creative with this interactive drama workshop exploring different performance skills through hands-on activities.	Drama	Any	•	•	•	•	•	•
<b>Student Panel</b>	Flinders University Student Ambassadors share their experience of study and respond to any questions students have about university.	Cross Curricula	Any	•	•	•	•	•	•
<b>The Bone Box</b>	Interactive palaeontology presentation that explores Australian fauna.	Science (Biology) / History	Any	•	•	•	•	•	•
<b>The Corridors</b>	Students will become MPs in a simulation of the Upper and Lower houses of Parliament in this fun, hands-on and interactive session. Working alongside the Government, a team of university researchers will discover issues of national importance which highlight the critical role that Universities and research have in wider society.	Civics and Citizenship / Politics	Any	•	•	•	•	•	



## Workshop Activities continued

ACTIVITY	DESCRIPTION	CURRICULUM LINK/STUDY AREA	RECOMMENDED TERM	YR 12	YR 11	YR 10	YR 9	YR 8	YR 7
<b>The Innovation Centre - NVI (New Venture Institute)</b>	Interactive tour of facilities, current projects, and 3D printing.	PLP / Design & Technology	Any	•	•	•	•	•	
<b>The Secret to Secret Codes</b>	Learn some of the techniques behind creating and breaking secret codes. Students will have the chance to try to create encoded messages, both by hand and with technology, and to make some of their own. Students will use both pencils and paper and laptops with internet access to crack existing codes and design their own.	General Maths	Any	•	•	•			
<b>Thinking Like a Lawyer</b>	Come along to the Flinders law workshop, hear both sides of the argument, learn the law, and be the judge! Law students will present abridged versions of real cases, and students will need to advocate for their client. Covering both civil and criminal jurisdictions, each scenario focuses on a particular law - either theft or negligence.	Civics & Citizenship / Legal Studies	Any	•	•	•	•		
<b>Tonsley TAFE Tour (external to Flinders)</b>	Interactive tour providing general overview of what the campus has to offer.	VET	Any	•	•	•	•	•	•
<b>Tonsley Tour</b>	Interactive tour of the Tonsley campus, showing the facilities and ties to Industry 4.0.	Science	Any	•	•	•	•	•	•
<b>Touchdown</b>	Turn your school students into engineers in this new space workshop. Design, build and test a shock-absorbing system for a space ship to land on the moon, protecting two astronauts inside. Find out what engineering is all about and follow the same steps that real life engineers use to bring their ideas to life.	Science	Any				•	•	•
<b>Water Wheels, Hydroelectric Turbine Design</b>	A village in Nepal needs a new power source. As an engineer, it's your job to build a hydroelectric turbine that can harness the kinetic energy in the nearby river and provide the electricity they need! Visit our cutting-edge civil engineering teaching lab and use the industrial flume to test your team's creation.	Science and Maths, Design and Technology	Any	•	•	•	•	•	
<b>What's on Your Back: Brand Sustainability</b>	An interactive session where students will learn about the new challenges business face in making their companies sustainable and the way they report this to the public.	Business	Any	•	•	•	•	•	
<b>Zumo Robot Programming</b>	Jump into our first year engineering labs and learn about digital electronics by programming a simple Arduino-based Zumo robot using the C programming language.	Stage 1 & 2 Information Technology	Any	•	•	•			

### KEY

- Available for this year level

Please note that activities and workshops are accurate at time of print (March 2023). Activities and workshops are subject to location and facilitator availability and may change.





## Success stories

If you've kept in touch with students who have successfully transitioned from school to Flinders University, their story is always well received by those about to embark on the same journey.

We welcome nominations of past students from school staff, and you can also book a success story presentation.

Email [schools@flinders.edu.au](mailto:schools@flinders.edu.au) and we can take care of the booking and potential paid employment for the student.

## Contact us

For further information and bookings contact us:

(08) 8201 5322 | [schools@flinders.edu.au](mailto:schools@flinders.edu.au) | [flinders.edu.au/schools](https://flinders.edu.au/schools)