



THE SCIENCE EXPERIENCE



A nationwide STEM outreach program for
year 9 and 10 students in 2024/2025

Contents

PROGRAM	DATE	PAGE
Australian Capital Territory		
Australian National University, Canberra	Date to be advised	3
Northern Territory		
Charles Darwin University, Casuarina (3 days)	4–6 June 2024	3
New South Wales		
University of New England, Armidale (3 days)	9–11 July 2024	3
University of Technology Sydney (3 days)	24–26 September 2024	4
Macquarie University, Sydney (3 days)	9–11 October 2024	4
Queensland		
Griffith University, Gold Coast (3 days)	2–4 July 2024	4
Combined Brisbane program UQ, QUT, Griffith Nathan (3 days)	21–23 January 2025	4
South Australia		
University of South Australia, Mount Gambier (1 day)	6 or 7 or 8 August 2024	5
Flinders University, Adelaide (2 days)	26–27 November 2024	5
University of South Australia, Mawson Lakes (3 days)	26–28 November 2024	5
University of South Australia, Mawson Lakes (1 day)	29 November 2024	6
University of Adelaide (3 days)	3–5 December 2024	6
Tasmania		
University of Tasmania, Hobart (2 days)	21–22 November 2024	7
University of Tasmania, Burnie (2 days)	25–26 November 2024	7
University of Tasmania, Launceston (2 days)	27–28 November 2024	7
Victoria		
RMIT University, Melbourne (3 days)	2–4 July 2024	7
KIOSC, Wantirna (1 day)	19 September 2024	8
University of Melbourne, Dookie (3 days)	27–29 November 2024	8
University of Melbourne, Parkville (3 days)	20–22 January 2025	9

Northern Territory

Charles Darwin University, Casuarina
(3 day program)

4–6 June 2024

Activities in Exercises Sports Science, IT, NT Medical Program, Environment Science, Virtual 360 Bush Tour, Engineering, Primary Industries, Career Investigations, CPA LNG Plant Seminar and Excursion.

New South Wales

University of New England, Armidale
(3 days)

9–11 July 2024

The University of New England (UNE) welcomes students going into Year 10 in 2024 with a passion and interest in science to join us for three fun-filled days of hands-on science activities on our Armidale campus, in the heart of the NSW New England. You will immerse yourself in a world of science, see our scientific facilities, learn from leading scientists and participate in workshops in diverse areas such as chemistry, neuroscience, biomedical science, coding, meat & animal science, soil science, agriculture and more. We will also host a career panel and discussion to help you clarify your thoughts on pursuing science at a University level and into the future. Students will be able to stay in one of UNE's colleges on campus and take in the full university experience. Accommodation and meals will be an additional cost if required.



University of Technology Sydney (3 day program)

24–26 September 2024

Discover the exciting world of science at UTS and take a dive into your future! Join us for a hands-on scientific adventure in award-winning labs, exploring forensic science, microbiology, environmental sciences and more.

Macquarie University, Sydney (3 day program)

9–11 October 2024

Meet passionate scientists at our career speed dating, get hands-on with science, technology, engineering and mathematics at our expo, participate in a chemistry magic show, learn more about our solar system and the world beyond earth, explore the world of Indigenous science and sustainable use of natural resources, and much much more!



Queensland

Griffith University, Gold Coast (3 day program) 2–4 July 2024

Designed to provide students who have an interest in science with an opportunity to participate in a wide range of fascinating science and technology activities under the guidance of scientists, engineers and health professionals who love their work.

Combined Brisbane program (3 days) 21–23 January 2025

Treble your science experience by attending three of the largest universities in Queensland during the three days. Visit QUT, UQ and Griffith-Nathan. You will tour scientific facilities, hear from some of Queensland's leading scientists, participate in hands-on workshops, explore science based careers. Areas covered include forensic and biological science, chemistry, physics, mathematics, astronomy, environmental sciences and engineering. Day one – QUT; Day two – Griffith University, Nathan; Day three – UQ.

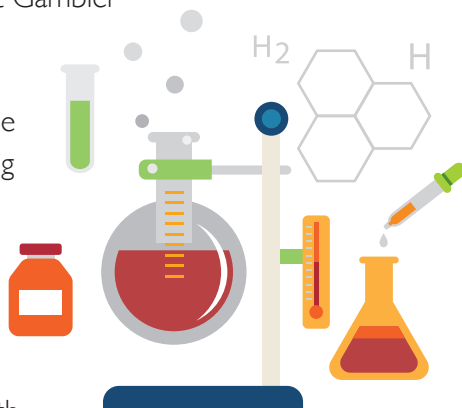
South Australia

University of South Australia, Mount Gambier

(1 day program)

6 or 7 or 8 August 2024

At the University of South Australia, Mt Gambier Campus, students in year 9 and/or 10 will spend the day learning about real world applications of STEM. They will be creating their own electronics kit, solving mysteries using gel electrophoresis and investigate material properties while designing prototypes within set parameters. The underlying emphasis is to encourage STEM skills and careers, and to build peer networks with like-minded STEM students.



Flinders University, Adelaide

(2 day program)

26–27 November 2024

Flinders University welcomes the Science Experience students to two days of interactive STEM activities on campus. The program consists of hands-on workshops in our university classrooms, research insights by academic staff as well as a fun activities such as quizzes and challenges. Regional student groups have the opportunity to stay in local accommodation for the duration of the event.

University of South Australia, Mawson Lakes

(3 day program)

26–28 November 2024

STEM activities in soldering, coding with Arduino, Engineering challenges. Activities could involve the following Science, focussing on Clinical Biology using simulation nursing manikins, gel electrophoresis to look at DNA profiling and solve cold cases. Geospatial Science activities including geocaching. STEM for Humanity – looking at how technology can improve lives in developing countries.

University of South Australia, Mawson Lakes

(1 day program)

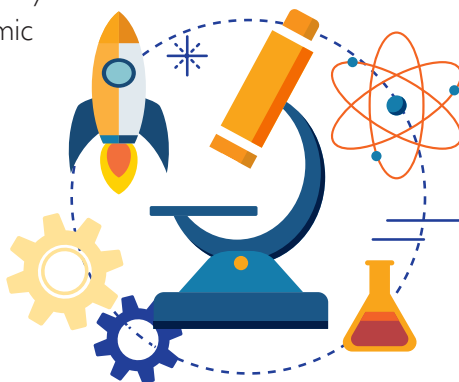
29 November 2024

At the University of South Australia, Mawson Lakes Campus, students in year 9 and/or 10 will spend the day learning about real world applications of STEM. They will be creating their own electronics kit, solving mysteries using gel electrophoresis and investigate material properties while designing prototypes within set parameters. The underlying emphasis is to encourage STEM skills and careers, and to build peer networks with like-minded STEM students.

University of Adelaide (3 day program) 3–5 December 2024

Science Experience at the University of Adelaide is an exciting and dynamic three-day program that offers a wide range of opportunities for year 9 and 10 students interested in exploring the world around them. By participating in various hands-on and interactive workshops led by academics, students will gain an insight into the STEM field

while gaining valuable knowledge that will prepare them for a future in fields such as engineering, space, robotics, artificial intelligence, biotechnology, and much more.



Tasmania

University of Tasmania
Hobart
Burnie
Launceston

(2 day program)
21–22 November 2024 ,
25–26 November 2024
27–28 November 2024

The University of Tasmania welcomes you to two days of engaging, hands-on science activities. Be challenged to extend yourself and expand your ideas of how science and technology can make a difference in every-day life! Carry out hands-on experiments in university laboratories, work with experts from different areas, take part in problem-solving challenges, and experience university life on campus as part of this year's Science Experience program.

Victoria

RMIT University, Melbourne (3 day program) 2–4 July 2024

Year 9 and 10 students will engage in a 3-day program and will work within teams to collaborate, learn and solve real-world problems using STEM principles. Workshops will be across a range of disciplines such as: Space science, Technology, Biomedical science, Food science, Allied health sciences, Engineering. Students will have the opportunity over the three days to interact with academics, RMIT staff and current students. Teams will be lead by our Women in STEM Ambassadors which will provide further opportunities for students to ask questions about university life and what a STEM career path might look like. The RMIT University Science Experience will engage, build curiosity and inspire the next generation of STEM superstars to explore career paths in STEM, make like-minded new friends, and see what University is all about in a supportive and safe environment.



KIOSC, Wantirna (1 day program)

19 September 2024

Forensic Science: In order to solve a case homicide case, students investigate the evidence that could lead to a conclusion.

Students examine physical evidence from the crime scene, such as fingerprints and crime scene virtual reality (VR) photos.

They interview suspects and identify their whereabouts on the day in question.

This includes: VR 360
crime scene photos,
fingerprint recovery, suspect
interviews and alibi research.

Biometrics – This entails electrophoresis, blood typing, polygraph, fingerprinting and more.



University of Melbourne, Dookie
(3 day program)

27–29 November 2024

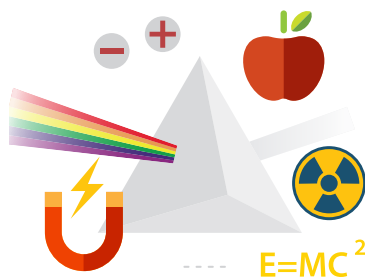
Dookie campus is a working farm – a centre of agricultural research and teaching. You will join scientists and agricultural student mentors in hands on activities in the laboratory and paddock investigating real world issues. Activities include biodiversity, sheep science, plant science, protein content of milk, cheese making and robotic dairy. Accommodation is available, if required, at an extra cost.



University of Melbourne, Parkville (3 day program)

20–22 January 2025

Students will get to experience university life with lectures, laboratory experiments and hands-on experiences run by our top researchers and scientists, all whilst exploring our world-class facilities. Exploring the secrets of the universe with the physics show. Extracting DNA from strawberries and examining the science of inheritance. Studying ancient fossils and minerals in an introduction to Earth Sciences. Discovering how and why our weather systems form. Testing what chemicals go bang and why? Taste testing indigenous foods and exploring ways they can solve the world's food crisis. Exploring how mathematics plays key roles in our lives but hides right under our noses. Touring the Harry Brooks Allen Museum of Anatomy and Pathology Discovering the intersection of art and science at the Science Gallery.



Student Application Form

Name: _____

Parent's email address: _____

Student's email: _____

Postal Address: _____

_____ Suburb/Postcode: _____

Parent's mobile: _____

Student's mobile: _____

Date of Birth: ____ / ____ / ____ Sex M / F

School: _____ Phone: _____

Suburb/Postcode: _____

Year Level in 2024: _____ Name of Science Teacher: _____

Choice of program:

First: _____ Second: _____

PAYMENT METHOD BY CHEQUE OR CREDIT CARD

\$75 inc GST (one day program) / \$150 inc GST (2 day program) / \$210 inc GST (3 day program)
included with this application

A) Cheque/Money order made payable to The Science Experience

B) Credit Card

Card No: _____ ☐ Visa ☐ Mastercard

Expiry Date ____ / ____ Amount: \$ _____

Cardholder's Signature: _____

Cardholder's Name: _____

Rotary Sponsorship if applicable

(to be completed by Rotary representative)

The Rotary Club of: _____

District: _____

This club will offer financial sponsorship to the amount of: \$ _____

Student contribution (if applicable): \$ _____

Contact address: _____

_____ Suburb _____

**Post to: The Science Experience
PO Box 158, Monbulk, Vic 3793**

ABN 90 610 500 296

Email to: admin@scienceexperience.com.au

For Further details: www.scienceexperience.com.au or (03) 9756 7534

*Please note: Refunds are available (minus \$35 administration fee) up until
4 weeks before the particular program commences.*

Registration Fees

- 1 day program \$75 (includes GST)
- 2 day program \$150 (includes GST)
- 3 day program \$210 (includes GST)
- *Please note these fees do not cover any transport, meals or accommodation costs*
- *Refunds are available (minus \$35 administration fee) until 4 weeks before a particular program commences*

How do I enrol?

Send your completed application form to:

The Science Experience

PO Box 158, Monbulk, Vic 3793

or Email your completed application form to

admin@scienceexperience.com.au

or enrol online at **www.scienceexperience.com.au**

Applications are accepted immediately online at any time if a place is available or send your application form to a local Rotary Club if you're seeking Rotary financial support. Your local club may consider full or part sponsorship of the \$75/\$150/\$210 fee. Please follow through with the club to check they have submitted your application.

Accommodation

Most programs are non-residential, accommodation at an extra cost is available at the following programs:

- University of New England, Armidale
- Melbourne University, Dookie campus

WHO WE REPRESENT



The Science Experience is a STEM outreach program established, managed and conducted by the The Science Schools Foundation Incorporated an independent non-profit association of educationalists, Rotarians and industrialists.

OUR SUPPORTERS



Rotary Clubs sponsor many students to attend, promote the program to schools, and participates actively in organising programs and provides social activities.



Young Scientist of Australia (YSA) Several hundred YSA members voluntarily assist the universities and tertiary institutions in conducting the program



Australian Science Teacher Association (ASTA) promotes the program to schools and teacher members

Universities and Tertiary Institutions

- organize and conduct the programs on their campuses
- provide a director and presenters
- provide laboratories and other resources