

# THE Santos SCIENCE EXPERIENCE



A nationwide STEM outreach program for  
year 9 and 10 students in 2022

# 2022 PROGRAM

— VICTORIA —

## **Federation University, Gippsland 20–22 Sept 2022**

Experience hands-on science, maths and technology activities exploring topics such as chemistry and forensics, animal and environmental sciences, health and sports sciences, biomedical science, IT, and engineering. A field trip day will get you thinking about exciting career opportunities and the real world applications of science. Get ready to make new discoveries, make new friends, and ask lots of questions when you take part in our program this year.

## **Federation University, Berwick 20–22 Sept 2022**

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## **Marine and Freshwater Discovery Centre, Queenscliff | 1 April 2022, 27 Sept 2022, 17 Jan 2023**

One day only!! Immerse yourself in marine and freshwater science in one day.

- Sharks, plankton, crabs, sea horses and seaweed.
- Freshwater beasts both big (Murray Cod) and small (mini beasts).
- Law enforcement in the aquatic world.

A combination of presentations by scientists, hands on practicals and watery activities will lead to a fulfilling program that will allow you to explore the many possibilities for future studies and careers in aquatic science and beyond.

## **RMIT University, Melbourne 28–30 June 2022**

Budding scientists entering Year 9 or 10 in 2022 will work together to problem solve real world challenges in laboratories and state-of-the-art facilities in disciplines such as space science, nanotechnology, biomedical science, food science, allied health sciences and engineering. Interactive activities, excursions and guest lectures will provide attending students with an invaluable opportunity to learn from academic experts, and friendly RMIT student mentors will be their guides throughout the program as they understand and experience the STEM landscape of 2022 and beyond. The RMIT University Science Experience gives students the opportunity to explore career paths in STEM, make like-minded new friends, and see what University is all about in a supportive, safe and exciting environment.

## **Swinburne University of Technology, Hawthorn 6–9 July 2022**

Explore the universe in virtual reality, conduct experiments in our Chemistry labs and explore the applications of the world class Australian Synchrotron. Our three day program encourages curiosity and explores the never-ending possibilities of science.

With a focus on real-world applications, you'll meet leaders from the scientific community, work with innovative

technologies in our specialised labs and facilities, watch out-of-this-world science demonstrations and participate in hands-on workshops that will challenge and excite. Join us for our action-packed July program and see where a career in science can take you!

## **KIOSC, Wantirna 18–20 July 2022**

Students will complete STEM activities and experiences in Forensic Science, Chemistry, Biology, Psychology and Technology. As well as a Mission to Mars, where students complete a range of activities to investigate colonisation of the red planet including housing, virtual reality and robotics.

## **Federation University, Ballarat 27–29 June 2022**

Spend three fascinating days exploring your passion for STEM (Science, Technology, Engineering and Maths) under the expert guidance of FedUni scientists and student mentors. Details of the program change each year but whether it's an activity in exercise and sport science, forensic chemistry, geospatial science, botany, robotics, engineering or computer graphics, you will use your knowledge, curiosity, ingenuity, team-work, communication and planning skills to think, act and explore the world as a STEM professional. The Ballarat Santos Science Experience is targeted at Year 10 students.

## **University of Melbourne, Parkville 11–13 April 2022**

There's more to science than biology, chemistry and physics. We want to show you just how broad it can be! Whether you want to fix your cracked phone screen, adapt to a changing climate or develop a vaccine to change the world, science is where it starts. At the University of Melbourne, your program is supported by dedicated student mentors who study across a range of disciplines – including IT and data science, chemistry, health sciences, environmental science and engineering. You'll get to see inside our laboratories, museums and classrooms, and you'll meet leading researchers in different fields

## **University of Melbourne, Dookie 30 Nov–2 Dec 2022**

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 if required is an extra cost.

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