

PrimeSCI! @Australian Synchrotron

SECONDARY SCHOOL HOLIDAY SCIENCE

Tuesday 8 and Wednesday 9 April 2025

The PrimeSCI! Synchrotron Education Team is excited to welcome you to the ANSTO Australian Synchrotron! Learn how the Australian Synchrotron combines science and technology to produce cutting edge research.



Light It Up

Advances in scientific understanding rely on developments in technology and society's needs. Students can take part in experiments using specialised equipment to illustrate concepts in physics of interaction of light and energy, nuclear physics, radioactivity and dark matter. The program also includes a tour of the Australian Synchrotron where participants will learn what makes the facility so unique - a rare chance to see this world class facility. (2.5hrs)

Years 9 - 10
(Topic taught at Year 9/10 curriculum level)

Tuesday 8 April 2025
9:30am - 12:00pm or 1:00pm - 3:30pm

Synchrotron and its Applications

How do particle accelerators work? Curious about the Synchrotron research being conducted locally? These questions and more will be answered in the hands-on physics lab session where students can take part in experiments using specialised equipment to learn about the behaviour of electrons in electric and magnetic fields. The program also includes a tour of the Australian Synchrotron where participants will learn what makes the facility so unique. (4.5 hrs)

Years 11 - 12
(Topic taught at Year 11 curriculum level)

Wednesday 9 April 2025
9:30am - 2:00pm

Book online at:

<https://events.humanitix.com/primesci-synchrotron-workshops-april-2025>

Funded Places: A limited number of **fully funded places** are available for participants to attend the **PrimeSCI! Synchrotron Tours and Lab Sessions**, who would not be able to attend without financial support. You are **NOT** required to complete the Humanitix Registration form.

Please complete the Equity Access form at <https://forms.gle/zDxXAeQx1x15GFq36>



www.swinburne.edu.au/primesci
P: (03) 9210 1961
E: ansto@swin.edu.au

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Enrolment Fee:

\$39.50 per participant for 2.5 hour program (plus \$0.50 Humanitix fee)

\$54.00 per participant for 4.5 hour program (plus \$0.50 Humanitix fee)

\$44.50 per participant for 3 hour program (Synchrotron & its Applications lab only; plus \$0.50 Humanitix fee)

Visitor information will be provided once registered.

Funded Places:

Complete the Equity Access form at <https://forms.gle/zDxXAeQx1x15GFq36>

Please note:

The Workshops will be held at:

NCSS Building, ANSTO Australian Synchrotron, 800 Blackburn Road, Clayton VIC 3800

Parking is accessed via the the Blackburn Road entry, opposite the Heart Hospital.



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