

PrimeSCI! @Australian Synchrotron

SECONDARY SCHOOL HOLIDAY SCIENCE WORKSHOPS

Wednesday 2 & Thursday 3 October 2024

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)

Wednesday 2 October 2024
9:30am - 12:00pm; 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 includes a tour of the Australian Synchrotron where participants discover the important research outcomes that have been achieved over the years. (4.5 hrs)

Years 10 - 12
(Topic taught at Year 11 curriculum level)

Thursday 3 October 2024
9:30am - 2:00pm

Book online at:

<https://events.humanitix.com/primesci-synchrotron-oct-2024>

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 Trybooking Registration form.

Please complete the Equity Access form at <https://forms.gle/5k9qyVfD1fUdNRky6>



Book your science workshop now!

<https://events.humanitix.com/primesci-synchrotron-oct-2024>
www.swinburne.edu.au/primesci

☎ (03) 9210 1961
✉ ansto@swin.edu.au

All lessons are conducted within COVIDsafe Guidelines.



PrimeSCI!

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SECONDARY SCHOOL HOLIDAY SCIENCE WORKSHOPS

Wednesday 2 & Thursday 3 October 2024

Enrolment Fee:

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

\$55.00 per participant for 4.5 hour program (plus \$0.50 Humanitix fee)

Visitor information will be provided once registered.

Funded Places:

Complete the Equity Access form at <https://forms.gle/5k9qyVfD1fUdNRky6>

Please note:

Please enrol your child in the age/year level appropriate sessions only.

The Light It Up session is not suitable for students below Year 9.

The Synchrotron and its Application session is not suitable for students below Year 10.

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.



Book your science workshop now!

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