

# Secondary Education Program 2021

We help teachers integrate and translate current science research into classroom teaching.



## Education resources

Use our education resources in class or as part of a videoconference or tour.



Posters



Games



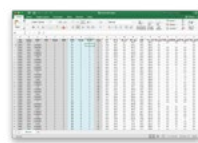
ANSTO XR app



Worksheets



Videos



Data sets



## Free teacher professional development programs

ANSTO is a NESA and TQI-accredited provider of professional development for teachers at the proficient level.

Our programs are online for now but we'll resume our face-to-face events as soon as possible.

### Real-world applications of nuclear science

In this webinar (2 hours) plus coursework (5 hours) program, hear from scientists about current research, learn about new ANSTO education resources and develop a lesson for your class.

Dates are still to be confirmed, but our topics for these sessions in 2021 will be:

- Nuclear medicine
- Working scientifically
- Air pollution monitoring
- Environmental science
- Radiometric dating
- New technologies and big science (or Studying history and culture using science)



Students use our data sets to create graphs, analyse trends and answer discussion questions about real research data from ANSTO scientists. We'll give you a copy of the answers too!

### Using data sets in the classroom

Do you need professional development for your next teacher networking event or staff meeting? Book in a free 60 minute online session with us and we'll walk you through one of our data set resources.

**FREE  
ONLINE  
SESSION**

# Get your students involved!



## Tours

ANSTO offers curriculum-linked tours of the Lucas Heights campus for Junior Science (3 hours), Chemistry, Physics and Investigating Science (3.5 hours).



### COST

**\$12.50 per student. Teachers are free.**

### BOOKINGS AND MORE INFORMATION

[www.ansto.gov.au/education/secondary/secondary-school-tours](http://www.ansto.gov.au/education/secondary/secondary-school-tours)

Safety is our priority at ANSTO. We welcome schools back for COVID-safe tours and events in 2021. We also have plenty of videoconference options for groups that can't make it in person.



## Videoconferences

Discover the amazing world of nuclear science from your classroom. We can accommodate large groups via videoconference if required but interactivity with students is best with groups of 25 or less.

	DURATION	COST	APPROPRIATE FOR
<b>Meet an expert</b> Students prepare questions and interview one of our scientists.	30 min	Free	Years 7-12
<b>Nuclear science inquiry skills</b> Students plan and conduct an experiment about nuclear science.	60 min	Free	Years 9-12
<b>Junior science</b> Students investigate nuclear medicine production and use, the function of ANSTO's OPAL multipurpose reactor and how to safely handle radiation. A good alternative to a tour. Worksheet included.	60 min	\$90	Year 9 and 10
<b>Year 11 Chemistry</b> <b>Year 12 Physics</b> <b>Year 12 Investigating science</b> Like in our tours, students learn about ANSTO facilities and research and complete syllabus-linked activities using their excursion workbooks. This videoconference can be split over two days if required.	80 min	\$90	Year 11 and 12



## Big Ideas

Do you have a Big Idea that could change the world? Stand on the shoulders of Australian science giants and come up with something to make our world a better place. Students can win an awesome science experience at the Australian Synchrotron in Clayton (Y7-9) or at the ANSTO campus in Sydney (Y10). Prize includes flights, travel, accommodation, and meals for your team and teacher.

[www.ansto.gov.au/big-ideas](http://www.ansto.gov.au/big-ideas)



### LOCATIONS

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Camperdown | NSW  
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### SOCIAL



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