



## 10 students from across **New Zealand**

will be selected to attend the online program of  
**The Professor Harry Messel International Science School**  
2-10 July 2022

**Applications due **Tue 31 May 2022****  
**[sydney.edu.au/science/iss](https://sydney.edu.au/science/iss)**

**Amazing science, amazing experience:** From 2-10 July 2022, 150 top science students from across Australia, NZ, Japan and the USA will gather for a special online session of the International Science School, run by the University of Sydney.

**This isn't just another online lecture.** Every day you'll get to know the other students and our fabulous staff through the ISS Discord server, with conversations, competitions, challenges and more. You'll have the chance to ask questions of our guest speakers, all the while discussing their research in the chat. And you'll break out into teams to do experiments, work through issues, and solve problems — as well as compete in trivia contests, games tournaments, meme challenges, or just nerd out over your common interests.

**ISS Online is 9 days of intensive online activities,** including inspiring lectures by leading researchers, virtual tours of cutting-edge facilities, and mind-expanding hands-on workshops and seminars – all without leaving home!

**Calling all science-mad year 12-13 students:** if you're in the final two years in a New Zealand secondary school, if you've got a talent for STEM subjects and a passion for science, you really should apply.

**What does it cost to participate in the ISS?** Nothing! Full scholarships will be awarded to all students who are selected to attend, covering all materials and resources needed to take part in the ISS program.

### **About The ISS**

**The ISS has been running at the University of Sydney since the 1960s — it's a prestigious and inspiring event.** We have some amazing speakers from across a wide range of research disciplines, and a packed schedule of events lined up for you. Here's a taste of what's in store:

- **The ISS Online Lecture Series** — the backbone of the program, featuring talks by world-leading researchers from across the sciences and engineering. In the past, we've had Nobel Prize winners alongside up-and-coming researchers, all with an inspiring story to tell.
- **Tours & Activities** to give you a real sense of research-level science. While we're not able to get you physically inside our amazing research labs and classrooms, we can still get hands-on with experiments, tours and workshops to extend your skills, get your brains working, and help you get to know each other. You'll participate in virtual tours, get to meet our brilliant scientists as they show you around their labs, and work in groups to solve problems with our engaging science outreach team.

“Thank you so much for this incredible opportunity!  
The ISS is a memory that I will cherish for the rest of my life  
and is a key milestone in my studies and career.”

— *Student at ISS Online 2021*

## How To Apply

The selection process is through an **online application form**: go to **[sydney.edu.au/science/iss](https://sydney.edu.au/science/iss)**

**You need to provide:** your personal details (address, contact phone number and email address, parent/guardian consent); your school details and your most recent academic results; and a letter of reference from your school.

Then we want to hear a bit more about you — write a 500-word **Personal Statement**, telling us why you should be selected to attend the International Science School.

From the applications we receive, our selection panel will choose the ten scholarship winners to attend ISS Online.

## A Few FAQs

- **Is this just a bunch of Zoom lectures? We've been online so much lately ...** We get it — but this isn't just another online talk. Around the Zoom-based lectures, you'll ask questions live, discuss the science on the Discord server, break into groups for activities and experiments, and really get to know everyone through team events, social activities and more. It's an amazing experience that we think you're going to love.
- **When will ISS Online 2022 take place?** The program will run daily from Sat 2 July to Sun 10 July, 2022. Each day will involve around 2 to 4 hours of talks, tours and experiments, run through online software such as Zoom, Teams, and Discord. The exact program and platforms used will be communicated to the successful applicants.
- **Is there a cut-off criterion attached to school grades?** No. We are looking for high-achieving students who are very capable at science subjects — but we also want well-rounded, mature, talented students with a keen interest in science, and we want to find students who will truly benefit from the experience, wherever they are.
- **Does the ISS take place during the school semester?** It depends on where you live — it's school holidays in much of Australia, but that's not necessarily true in your area! So your school and your parents/guardians must approve your participation for the duration of your program.
- **Is the ISS really free?!** Yes! All materials and resources needed for students to participate in the *ISS Online* workshops and activities will be provided to the students free of charge
- **What computer equipment do I need to take part? Will I need a good internet connection?** The *ISS Online* program will be presented through **web-based software, such as Zoom or Microsoft Teams**. This means that, to take part, you will need access to a **computer** that can run modern browsers and software like Zoom and Teams, an **internet connection** that can manage streaming video and online meetings, and a **webcam and microphone** connected to your computer. **You should check that you can have access to these things before you apply.**

We understand that not all families have access to all of these things. If you are selected for *ISS Online* and you need help gathering the equipment and internet connection you need, we recommend that you talk to your parents or guardians, your school, and your friends and local community to try to find a solution. **We are happy to talk to you about this** and help you speak to others in your community — you, your parents or guardians, or your teachers can contact us at [iss.info@sydney.edu.au](mailto:iss.info@sydney.edu.au)

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# Application Criteria, Terms & Conditions

## 1. Number of Students

The number of ISS scholarships offered to Australian students in each of the states will be approximately:

NSW 55 — VIC 15 — QLD 15 — WA 10 — SA 10 — ACT 5 — TAS 5 — NT 5  
NZ 10 — JAPAN 10 — USA 10

**Five scholarships** will be allocated to Aboriginal and Torres Strait Islander students according to demand.

## 2. School Year Level of Students

Students studying in **the final two years of high school in 2022** will be considered for scholarships to ISS Online. It is generally expected that applicants will be 15 years or older in July 2022, but 14-year-olds may be offered scholarships under exceptional circumstances.

## 3. Selection Criteria

**The following selection criteria should be used as a guide**, though may vary depending on state examination requirements:

- a. Students should achieve the highest award in the top-level syllabi of English and STEM subjects in their most recent exams (e.g. 'A' grade, or >80%, or equivalent). Students are required to provide their most recent results during the online application process. Students in their final year of school in 2022 should demonstrate continuing excellence in these subjects.
- b. Students must submit written supporting comments from their Head of Science Department and School Principal in the form of a letter of recommendation with their application.
- c. Applicants should be assessed by their school's Head Science Teacher and Principal as one of the top science students in their year group at school. Preference may be given to students whose vocational interest is a career in the sciences.
- d. Students should be studying at least 50% STEM subjects in 2022. Preference may be given to students studying at least one of Physics and Chemistry. Engineering, psychology, geography, geology, geophysics, environmental science and computer science are all regarded as 'STEM subjects' for these purposes.
- e. Students should be able to represent their school and state at the International Science School. The 500-word Personal Statement will be used to assess each student's application for ISS Online, along with academic records. The statement gives students a chance to tell the selectors about their breadth of experience, their goals and ambitions, and what they can do beyond school assessments.
- f. The ISS Online Indigenous Scholars Program (ISP) reserves up to five scholarships that may be awarded to talented Aboriginal and Torres Strait Islander students. An applicant who indicates on their application form that they wish to be considered for the ISP Scholarships will enter into the main round of scholarship awards. If the ISP applicant is unsuccessful in the main selection round, they will enter the selection process for the ISP scholarships, which will be judged against the same criteria 3.a through 3.e above.

