



BRAINways
EDUCATION
excellence through education



BRAINways Education, in conjunction with the Australian Catholic University,
invites gifted and talented students from schools in Sydney to participate in
BRAINways SUMMER CAMP

After its success in previous years, The Summer Camp program is back in 2020.

The Summer Camp has two components: a two days immersion and a challenge.
On the first day of the two days immersion, the students will be introduced to four topics in the
Maths/Science or Humanities areas. The 2020 Topics are:

Mathematics/Science for years 2-4:

Villain or Superhero?: An Investigation of Microbes

Ice Cream Chemistry

Reaching for the Stars: An Introduction to the Science of Astronomy

The Mathematics at the Beach

Mathematics/Science for years 5-8:

Defense Forces: The Science of Immunology

The Heart of a Star: Nuclear Chemistry

What's Wrong with Reality?: Wave - Particle Duality

Out at Sea: The Algebra of Navigation

Humanities for years 2-4:

A Headline Act: Writing the Headlines

Creating Mythological Characters

Can Computers Think?

Liar, Liar!: A Formula for Reason

Humanities for years 5-8:

The Power of Positioning: Advertising and Media

A World Apart? Heroes and Villains

Where Did You Get the Idea?: The Origin of Knowledge

Do the Ends Justify the Means?: An Ethical Debate

Based on the research suggesting that gifted students benefit from the availability of choice and from an extended, uninterrupted engagement with a topic, the second day of the immersion program will give the students the opportunity to select one of the four topics introduced and explore it in depth.

The participation in the immersion days grants the students the chance to a submission in the Summer Camp challenge.

The challenge component of the Summer Camp program was developed based on the research showing that challenges and competitions are very powerful intrinsic motivators when they give the students the opportunity to sustain the engagement with the topic for a longer period. The challenge involves the completion of a research and the submission of a product for evaluation.

The Summer Camp program is developed and presented by BRAINways Education.

Program Dates: Immersion Days: 20 & 21 January, 2020

Challenge: Submission: 22 January - 25 January, 2020

Program Times: Immersion: 9.30am - 3.00 pm (please arrive 15 minutes early for registration)

Place: Immersion: Australian Catholic University, North Sydney Campus

Cost: \$87/day or \$147/two days

For enrolment and payment please access

https://registration.brainways.com.au/winter_camp_sydney/

What to bring: Drink (water only please), morning and afternoon tea, lunch, hat, pencil,
the Nomination Letter