



CAVENDISH ROAD

State High School

Nil sine fulvere, nil praeter optima.

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Department of Education trading as Education Queensland International (EQI) CICOS Provider Number 00608A

Academy of Ideas

The Academy of Ideas (AOI) is an extra-curricular enrichment and extension program for Year 7 to 9 students at Cavendish Road State High School. AOI focuses on using a range of active and engaging contexts to support students to develop critical thinking, creativity and collaboration skills. The program includes incursions, excursions, camps and after school programs.

The program in 2024 included the following:

Year 7

12 week program of activities during trimester 2 or 3 sport	A range of varied activities including robotics, making, engineering, science, art and philosophy.
Making workshops	After school activities in our maker space making wind powered water pumps and electric racers.
Archeology	A half day incursion and full day excursion to Toowing Cemetary to conduct an archeological dig with a university professor.
QUT STEM Excursion	Full day excursion to QUT for robotic arm and design thinking workshops.
Hastings Point Ecology Camp	Conduct an ecological survey of the rock pools ecosystem and a microplastics survey of the beach and dunes.

Year 8

Aviation	Learn how a plane flies, make and fly drones Fly flight simulators and meet real pilots
Forensic archaeology	Learn forensic science techniques, solve a crime Use forensics to study pre-humans
Pseudoscience	Use science to test advertising claims and urban myths
Making	Use problem solving skills and creativity to produce solutions to problems.
iSTEM	Creatively use technology to develop a solution. Develop a prototype and present Shark Tank style to panel.
Griffith University Science excursion	Experience science workshops at Nathan Campus.
UQ Residency	Stay overnight at Kings College and experience university workshops.
World Science Fair Dr Karl	Science communicator Dr Karl talks about the future of work.
Philosophy	Push the boundaries of your beliefs and thoughts as you enter our Socratic Circle.
SPARQ Ed	Conduct microbiology experiments in state-of-the art lab

Numbers are limited for some activities. Students in Year 8 can select a maximum of 5 activities.

Year 9 is a one semester elective that involves learning a formal problem solving process to solve real world problems.

How to apply:

1. Complete and submit the AOI application form.
2. Short listed students will be invited to a trial workshop.
3. Successful students will then be offered a place in the Academy of Ideas.
4. At the beginning of the school year, the AOI director will invite students to select the activities they are interested in.

Cost:

There is annual enrolment fee of \$30 to cover the cost of consumables used in the activities. There is an additional cost for excursions and camps to pay for transport, admission fees and accommodation.

Futher information:

A video explaining the Academy of Ideas program can be found at the following QR Code:



If you have any further questions, please contact the Academy of Ideas Director at aoi@cavendishroadshs.eq.edu.au