



THE UNIVERSITY OF  
MELBOURNE



Melbourne School  
of Engineering

## ENGINEERING AND IT EVENTS FOR SCHOOLS

Want to inspire your students about the exciting possibilities of engineering and IT? From constructing a machine to learning how to code, we offer a range of interactive workshops, contests and camps that your students can participate in at the University of Melbourne.

### What's on offer?

<b>Year 7 and 8s</b>	<ul style="list-style-type: none"><li>■ CodeMasters</li><li>■ Endeavour Exhibition</li></ul>	
<b>Year 9s</b>	<ul style="list-style-type: none"><li>■ CodeMasters</li><li>■ Endeavour Exhibition</li><li>■ Girl Power in STEM</li></ul>	<ul style="list-style-type: none"><li>■ Programming Challenge for Girls (PC4G)</li><li>■ Residential Indigenous Science Experience (RISE)</li></ul>
<b>Year 10s</b>	<ul style="list-style-type: none"><li>■ Amazing Spaghetti Machine Contest (ASMC)</li><li>■ CodeMasters</li><li>■ Endeavour Exhibition</li></ul>	<ul style="list-style-type: none"><li>■ Hands on Engineering &amp; IT</li><li>■ Melbourne Computing Summer Camp</li><li>■ Residential Indigenous Science Experience (RISE)</li></ul>
<b>Year 11 and 12's</b>	<ul style="list-style-type: none"><li>■ CodeMasters</li><li>■ Endeavour Exhibition</li><li>■ Melbourne Computing Summer Camp (year 11s only)</li></ul>	<ul style="list-style-type: none"><li>■ VCE Algorithmics</li><li>■ Victorian Indigenous Engineering Winter School (VIEWS)</li></ul>
<b>Teachers</b>	<ul style="list-style-type: none"><li>■ Computer Science for High Schools (CS4HS)</li></ul>	

➤ **Want to be the first to know about our engineering and IT events?**  
Connect with us and select which events you'd like to hear about: <http://go.unimelb.edu.au/qbg6>

# About our school events

## Interactive workshops and exhibitions



### Endeavour Exhibition

Students view an exhibition of cutting-edge projects developed by our engineering and IT students.

**Date:** 24 October

**Designed for:** Years 7–12



### Hands on Engineering and IT

Students take part in interactive, hands-on activities to learn about engineering and technology concepts and issues.

**Date:** September/October school holidays, December

**Designed for:** Year 10s



### Programming Challenge for Girls (PC4G)

A series of workshops introducing students to computer programming. Teams are put to the challenge in a PC4G Finale in November.

**Date:** 21 Feb, 13 Jun, 30 Oct, 26 Nov (Finale)

**Designed for:** Year 9 girls

## Contests



### Amazing Spaghetti Machine Contest (ASMC)

Students put their science, engineering and maths skills to the test in this annual contest, building an elaborate machine to accomplish a simple task.

**Date:** 8 August (applications open 12 March)

**Designed for:** Year 10s



### CodeMasters

An exciting competition that challenges students to solve problems through computer programming.

**Date:** May (date to be confirmed)

**Designed for:** Years 7–12

## Camps and multi-day programs



### Girl Power in STEM

Run over four years, this program teaches girls about careers in STEM and builds a community of like-minded individuals through camps, work experience and mentoring.

**Date:** 7–10 July (applications open in March)

**Designed for:** Years 9–12



### Melbourne Computing Summer Camp

Students explore the exciting possibilities of computing, artificial intelligence, robotics and VR discover exciting career possibilities in the IT sector.

**Date:** January (applications close in November)

**Designed for:** Years 10 and 11

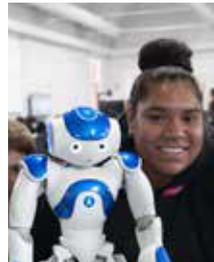


### Residential Indigenous Science Experience (RISE)

A five-day camp enabling students to learn about the principles and real-world applications of engineering and technology from indigenous and scientist mentors.

**Date:** November

**Designed for:** Year 9 and 10 indigenous students



### Victorian Indigenous Engineering Winter School (VIEWS)

Held over six days, students take part in workshops and activities to gain insight into what it's like to study and work in engineering.

**Date:** July

**Designed for:** Year 11 and 12 indigenous students

## Embed engineering and IT in your curriculum



### School visits

Introduce students to humanitarian engineering with Engineers Without Borders (EWB) or explore STEM with Robogals.

**Designed for:** all years (primary and secondary)



### VCE Algorithmics

Enable your students to undertake the VCE subject Algorithmics.

**Designed for:** Year 12 students



### Computer Science for High Schools (CS4HS)

A professional development opportunity for teachers, upskilling you to embed computer science and computational thinking in your lessons.

➤ **View all our schools events at:** [eng.unimelb.edu.au/engage/schools](http://eng.unimelb.edu.au/engage/schools)  
**Contact:** [schoolsengagement-engit@unimelb.edu.au](mailto:schoolsengagement-engit@unimelb.edu.au)