

ENTRY FEES

- \$ 25** - for each Innovations In Technology entry
(max \$100 per school for unlimited entries)
- \$ 280** - for each Pushcart team
- \$ 490** - for each Human Powered Vehicle (HPV) entry, Energy Efficient Vehicle (EEV) entry and Try-athlon entry

STEP 1: USERNAME & PASSWORD

Ensure you know both your user name and password before entries open.

STEP 2: DOWNLOAD HANDBOOK

The 2016 School's Handbook will be available for **download from the website on Tuesday 1st March.**

STEP 3: ENTER ONLINE

Online entries open at 8 am on the following days:

Tuesday 8th March 2016

HPV Primary

Wednesday 9th March 2016

HPV Secondary

Thursday 10th March 2016

EEV, Try-Athlon, Pushcarts & Innovations

STEP 4: Double check your entry details are correct. Please contact RACV Energy Breakthrough office if there are any discrepancies.

www.racvenergybreakthrough.net

The entry fee for each entry covers on-site facilities and entertainment, planning and administrative expenses. All entry fees are GST inclusive.

Please note: No refunds except for teams who are on a waiting list and are not offered a place. Classes are filled on a 'first come' basis with a maximum of three entries per school in the Human Powered Vehicle and Try-athlon categories accepted. Additional entries from a school will be placed on a waiting list and will be notified if accepted into the event.

ENTRY CLOSING DATE:

Friday 24th June 2016
(Last day Term 2 Victoria)

FURTHER INFORMATION:

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Website: racvenergybreakthrough.net

Facebook: facebook.com/racveb

Twitter: twitter.com/racveb

Instagram: instagram.com/racveb

YouTube: youtube.com/energybreakthrough

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MARYBOROUGH VICTORIA



17-20 NOVEMBER 2016



ONE OF AUSTRALIA'S PREMIER SCIENCE, TECHNOLOGY AND EDUCATION PROGRAMS

A PARTNERSHIP BETWEEN



The RACV Energy Breakthrough is an exciting educational program designed to provide opportunities for students, teachers, parents and local industry to work together to design and construct a vehicle, a machine or innovation in technology that will represent an 'energy breakthrough'.

SCHOOL'S HANDBOOK

with everything you need to know about the event including aims, category specifications, accommodation and camping, and event program will be available online Tuesday 1st March, 2016.

'This is the greatest educational experience for students I have ever had the privilege to participate in.' – Participating teacher

CATEGORIES

INNOVATIONS IN TECHNOLOGY

Classes

- Crafty Design
- Junkyard challenge (Primary & Secondary)

PUSHCARTS

Classes

- Primary

HUMAN POWERED VEHICLES (HPV)

Classes

- Primary
- Secondary
- Try-athlon (Obstacle, Time Trial & Endurance test)

ENERGY EFFICIENT VEHICLES (EEV)

Classes

- Hybrid 1 (Pedal power, plus one other power source)
- Hybrid 2 (Two power sources, excluding pedal)
- Single Power Source (Petrol only/Electric only)

PROGRAM ELEMENTS

DISPLAY & PRESENTATION

A presentation to judges for team members to demonstrate their knowledge and understanding of their entry.

DESIGN & CONSTRUCTION

An informal conversation assessing the student's understanding of the vehicle and the concepts involved in its design and construction.

TRIALS

Thousands of students ranging in age from nine to 19 push, pedal and pilot carts, human powered vehicles and energy efficient vehicles in dynamic tests that can last just a few minutes or as long as 24 hours.

'You cannot come away from the three days in Maryborough with anything but a glow about the value of this project for those students involved.' – Participating teacher

