

# SPONSORSHIP FOR ENERGY BREAKTHROUGH

Now in its' 28th year, the Energy Breakthrough ([www.eb.org.au](http://www.eb.org.au)) is an exciting 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'.

The Energy Breakthrough began in 1991 when the Country Education Project began seeking new ways to engage young people in regional Victoria with a wider range of challenges.

The program encourages participants to examine and use the latest technology while considering its impact on the environment and the way people live locally and globally.

## ***The Energy Breakthrough isn't just a once-a-year event!***

School groups work throughout the year to design, build and test vehicles or machines within detailed specifications. It requires a team effort and an across-the-curriculum approach. These groups then bring their vehicles and machines to Maryborough in November, for a huge celebration in which they can demonstrate and trial them in action.

### **There are three program elements:**

#### **Display & Presentation**

A 20 minute 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.

The Energy Breakthrough aims to:

- Provide an excellent technology project for students from Prep to VCE level
- Encourage young people to explore solutions to environmental and transport issues
- Provide an opportunity for schools and communities to work and learn together
- Provide an opportunity for women and girls to participate in what has traditionally been a 'male' dominated area of the curriculum
- Be a fun program with real world challenges
- Offer students opportunities to explore and address vehicle design, driving skills and vehicle and passenger safety issues.



Yarrawonga College P-12 first entered this program in 2010 with a team from our Primary Campus. With time, dedication and commitment received from both students and particularly parents we are now in our eighth year of competing at this amazing event that is the Energy Breakthrough.

Students from both our P – 4 and 5 – 8 Campuses work closely together to enter teams into the Energy Breakthrough Challenge under the Human Powered Vehicle and Pushcart

### **Human Powered Vehicle (HPV)**

Entrants design, build and compete, using a vehicle powered solely by human power. Design requirements include a maximum length of 2.7 metres, single seat and a minimum of three wheels.

### **Pushcart**

The Pushcart event is a challenging but enjoyable way of introducing energy use and technology to young students.

The machines are based on the humble billycart, and are pushed energetically through an obstacle course, sprint and circuit events at Maryborough in November.

The teams of ten students may obtain the assistance of other students, parents, friends, local trades' people and community groups to build their pushcart.



## **SPONSORSHIP REQUEST AND BENEFITS**

### **FOR \$500**

#### **Benefits include:**

- Acknowledgement and photo opportunity promoted through our Social Media sites (including Facebook, Twitter, Instagram and school App).
- Acknowledgement of generous sponsorship in any official communications going home to families.
- Corporate logo/business name on the Energy Breakthrough page of our school website.
- A hotlink to your corporate website on the Energy Breakthrough page of our school website.
- Name displayed on the Yarrawonga College P-12 official Energy Breakthrough t-shirts.
- Invitation to Sponsor Night after the event at Yarrawonga College P – 12