

## Role Description

**POSITION TITLE** Innovations in Technology Coordinator

**TIME REQUIRED:**

- **Pre-Event:** Attendance at selected meetings prior to the event.  
Liaison with schools for queries.  
Promotion to schools to encourage them to enter the Innovations In Technology category.
- **Event:** Saturday: 8:00 am – 3:00 pm
- **Post-Event:** Reports

**REPORTING TO:** Event Director

**LOCATION:** On-site prior to the event and from home pre-event

### 1. ABOUT THE ENERGY BREAKTHROUGH

The Energy Breakthrough is a joint initiative of the Country Education Project (CEP) and Central Goldfields Shire Council (CGSC).

The Energy Breakthrough provides 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 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 the Central Goldfields Shire, Victoria for a huge celebration in which they can demonstrate and trial them in action.

The Program 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

### **What We're About**

We are a non-profit community organisation that brings together education, local government and industry into collaborative partnerships, together fostering confident, competent and socially aware young people, ready to make difference in today's world.

We engage school communities across Australia and bring tourism, economic, and social benefits to regional Victoria, through our active learning program and event.

### **Our Mission**

To inspire young Australians to embrace learning, be creative and innovative, and drive change through the power of collaboration; to celebrate human endeavour and achievement, to respect and care for the environment and our communities.

### **What We Believe**

Curiosity, creativity, collaboration and human endeavour will always lead to innovative breakthroughs that benefit the wellbeing of humanity; and that young people are the future custodians of our Earth.

### **What We Deliver**

The best active learning program and event for primary and secondary schools that aligns with the national education policy.

### **Our Mantra**

Powered by imagination

## **2. BACKGROUND**

The Innovations in Technology Section currently has three different tasks that can be completed by the students.

1. Crafty Design where the students create a craft that can be propelled along a 8 m trough using innovative forms of propulsion.
2. Junkyard Challenge where students are provided with a range of materials and the challenge is to move 4 litres of water across a set distance. Time for the challenge is 90 minutes.
3. Moving Water challenges students to build a catchment model to move WATER from one side of a mountain to the other on your water cycle catchment model.

In Crafty Design and Moving Water, the students present to two judges for up to 20 minutes and then there is a sail off of all craft at 2 pm.

It is hoped that additional tasks can be explored, developed and implemented.

## **3. ABOUT THE ROLE**

The role is to coordinate both the school's entries and the panels of judges and ensure that the event runs smoothly.

The key **TASKS** are:

- 3.1 Recruit and coordinate the judges
- 3.2 Prepare the judging forms and explain the judging criteria to the judges
- 3.3 Liaise with schools and organise the presentation schedule
- 3.4 Liaise with the sponsors in Central Highland Water
- 3.5 Liaise with the team conducting the Junkyard Challenge
- 3.6 Ensure that the judges are catered for with adequate sustenance
- 3.7 Collate the results and help with presentations
- 3.8 Give feedback to schools

## **4. ROLE REQUIREMENTS / QUALIFICATIONS**

### **Mandatory**

- 4.1 An understanding of, and agrees with the friendly, encouraging and supportive approach of the Energy Breakthrough team.
- 4.2 Have good communication and organisational skills
- 4.3 Valid Working with Children Check
- 4.4 An interest in science and innovation

## **5. SUPPORT / ASSISTANCE PROVIDED**

- A small stipend of up to \$1,500 will be provided to cover costs for phone calls, internet for emails, time to attend meetings and travel.
- Catering will be available on-site at no cost during the event.
- Accommodation including breakfast will be provided during the event, if required.
- Additional support and training can be negotiated upon request.

## **6. HOW TO APPLY**

Please contact Nigel Preston & Alisha Chadwick on phone (03) 5461 0610 or email [enquiries@eb.org.au](mailto:enquiries@eb.org.au) to discuss this position prior to applying.

Email your C.V and a short cover letter expressing a/ why you'd be a great fit for this role, b/ any experience you have performing the key tasks in previous roles and c/ how you meet the role requirements / qualifications to [enquiries@eb.org.au](mailto:enquiries@eb.org.au) prior to 28 June 2019.