



SCHOOL'S EVENT MANUAL

2022 EDITION

Version 2.1

MARYBOROUGH, VICTORIA

16 – 20 NOV 2022

Program Partners



Sponsors



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10 November 2022

Dear Team Manager,

Welcome to the updated Schools Event Manual 2022

We've made a number of important updates to this Event Manual, with some logistical changes required to the recent very wet weather. Please note that vehicles and trailers will NOT be permitted on any grassed surface, this includes pit areas. Teams will be able to drive vehicles and trailers on track to quickly upload / reload their pit areas during specific bump-in times to help make this a smooth operation. Please check the new Pit Information and Pit Bump-In details for more information.

We acknowledge this isn't an ideal scenario, but the heavy recent rain the grounds have led us to adopt this approach. We invite you to assist us by following our guidelines and any instruction from our on-site volunteers on this.

This Event Manual provides you with all the key details and links to the information you need for this year's event. The successful running of the event depends on you reading all of the relevant information and passing the relevant details on to all of your team members, other Team Managers at your school, parents and support staff. **Please assist us by forwarding this Event Manual on to your school community.**

Program Changes for 2022

- Moved our **EB Admin Hub** to the Princes Park Clubrooms from the Maryborough Tennis Centre;
- Extended the **HPV Primary Trial** by one hour on the Friday evening (finishes at 9pm instead of 8pm) and also shortened it by one hour on Saturday morning (finishes at 11am instead of 12noon);
- Moved the **Pushcarts** to a two-day program over Wednesday and Thursday;
- Added a **Robotics Demonstration Challenge** to the Friday program;
- Offered **Video Display & Presentations** for Pushcarts and HPV Secondary teams;
- Moved the **TRYathlon Practice Session** from late Friday night to early Friday morning; and
- Brought **Scouts Australia** and **Transurban** on board to host a fantastic series of free interactive STEM exhibits in 'EB Central' on Friday and Saturday 10am – 5pm.

Working With Children Check (WWCC) Requirements

Please note that all Team Managers and all adults in supervising roles with students during the event are required to have a current Working With Children Check (WWCC) or current Victorian Institute of Teaching (VIT) registration. The EB event officials do not need to record evidence of all adults WWCC status, however, the onus is on you as a Team Manager to ensure your team and any support crew members are compliant.

If you have any questions, please feel free to contact our team via enquiries@eb.org.au or the contacts listed on our website 'Contact' page: <https://www.eb.org.au/contact/>

Thank you for your dedication and participation – and we really are looking forward to seeing you at Maryborough.

Nigel Preston
Education Team Leader

Energy Breakthrough

E: enquiries@eb.org.au | W: www.eb.org.au

EVENT MANUAL

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TEAM MANAGER CHECKLIST

Have you remembered to do the following?

Checklist	Yes
1. Registered this activity as a 'normal school excursion' with your school.	<input type="checkbox"/>
2. Ensure all adults that are Team Managers or in supervising roles with students during the event have current Working With Children Check (WWCC). (More details in this Event Manual) See http://www.workingwithchildren.vic.gov.au/	<input type="checkbox"/>
3. Read and understood the Car and Bus Parking policy within this Event Manual	<input type="checkbox"/>
4. Read and understood the Medical and Emergency Evacuation Information within this Event Manual	<input type="checkbox"/>
5. Completed the Camping Checklist within this Event Manual	<input type="checkbox"/>
6. Downloaded your category (or categories) relevant Schools Handbook for the relevant rules and regulations. See https://www.eb.org.au/school-zone/	<input type="checkbox"/>
7. Prepared a Participant Licence for each of your students. See: https://www.eb.org.au/school-zone/key-documents/participant-licence/	<input type="checkbox"/>
8. If in the TRYathlon, HPV Primary, HPV Secondary or EEV categories, have recruited and directed at least two Marshals to our training program. See https://www.eb.org.au/marshal-training/	<input type="checkbox"/>
9. Checked that your Team Manager mobile contact details are up to date so that Event Officials can contact you during the event via the Online Entry System: See https://registration.eb.org.au/	<input type="checkbox"/>
10. Completed your ' Team Lists ', including details of riders and support crew via the Online Entry System: See https://registration.eb.org.au/	<input type="checkbox"/>
11. Checked your scheduled times for when you are required to be present for scrutineering, Design & Construction, Display & Presentation, Marshalling and Trials. See https://schedule.eb.org.au/	<input type="checkbox"/>
12. Take a deep breath!	<input type="checkbox"/>

Schedules, Marshal Rosters and Results

Entry Lists

View the full 2022 Entry Lists now at: <https://www.eb.org.au/entries/2022-entry-lists/>

Schedules for Display & Presentation, Design & Construction and Scrutineering

All teams are required to complete Display & Presentation, Design & Construction as part of the Energy Breakthrough program. These are displayed digitally this year.

View your school's schedule now at: <https://schedule.eb.org.au/>

Marshal Training and Marshal Rosters

This year we have set a goal of improving the training of corner marshals at the Energy Breakthrough. All HPV Primary, HPV Secondary, EEV and TRYathlon teams will be required to provide at least two marshals per team.

We now have online training materials and information that will assist volunteers to understand their roles and responsibilities as marshals – please ensure your nominated marshals have completed the online training and they have copies of this marshal information.

It is a requirement that ALL corner marshals have completed the online training prior to the event.

If volunteer marshals require further assistance or a detailed briefing, they can contact the office (03) 5461 0621. If you are experiencing difficulties with the marshal training online system, please email training@eb.org.au

What is involved?

Marshal Training Online is a three part process including:

1. [a series of instructional videos \(Watch on YouTube\):](https://www.youtube.com/watch?v=TN-WiyQgcDI)
<https://www.youtube.com/watch?v=TN-WiyQgcDI>
2. [written Corner Marshal documentation \(PDF\)](https://www.eb.org.au/download/11206/) – linked:
<https://www.eb.org.au/download/11206/>
3. an online test (consisting of multiple-choice questions)

Complete the Online Marshal Training now at: <https://www.eb.org.au/marshal-training/>

View your school's Master Roster now at: <https://schedule.eb.org.au/>

Results

View the 2022 Results via: <https://www.eb.org.au/liveresults/>

AT EVENT CHECK-IN & EB ADMIN HUB

In a change for 2022, The EB Admin Hub is located at the Princes Park Grandstand (near Park Road). The EB Admin Hub will be your main point of contact with officials throughout the event.

Upon arrival in Maryborough, Team Managers should report to the EB Admin Hub for Check-in, please check opening times in the schedule.

Check-in will involve:

- Welcome and update on the event,
- Confirmation of team details: team member names, support crew, team names, etc.
- Allocation of Team Manager Identification,
- Issuing of team numbers and transponders (if applicable),
- Confirmation of Marshal times,
- Confirmation of Display & Presentation, Design & Construction and Scrutineering times, and
- Emergency Procedures Briefing.

The Team Manager and all members of the team will then report to the marquee near the EB Admin Hub for registration of individual team members.

Wristbands and Identification

- Following check-in, all team managers, team members, students and support crew who are camping on site will be provided with wrist bands for identification. These wristbands are to be worn at all times and assists us in managing the camping grounds.
- All team members must be confirmed at registration to receive a non-removable wrist band for their specific category.
- Wristbands must be collected, with your team members, after check-in from the marquee in front of the Administration Centre.

MEDICAL ADVICE

The Medical and Emergency Services continue to improve at the Energy Breakthrough with a Trackside Medical Centre in operation again this year during key periods of the event.

Ambulance Victoria will be on site during key on track competition periods.

Trained first aid staff and volunteers will be on-site during all programmed hours of the event. The Trackside Medical Centre will be located near the Track 1. There is a second First Aid post located on Track 2. In case of an injury, please proceed to a first aid post for seek assistance from an event official.

General First Aid Hours of Operation

DAY / LOCATION	Trackside Medical Centre (Track 1)	First Aid Post (Track 1)	First Aid Post (Track 2)
Wednesday	n/a	0900hrs – 2000hrs	1300hrs – 1700hrs
Thursday	1400 hrs – 2100 hrs	0900hrs – 2100hrs	-0830 hrs – 2100hrs 1800 hrs – 2030 hrs
Friday	0700 hrs – 2130 hrs	0700 hrs – 2200 hrs	0700 hrs – 2130 hrs
Saturday	0600 hrs – 1800 hrs 1800 hrs (Sat) – 600 hrs (Sun)	0700hrs – 0000 hrs	0530 hrs – 2300 hrs
Sunday	1800 hrs (Sat)– 6000 hrs (Sun) 600 hrs – 1400 hrs	0000 hrs – 1500 hrs	n/a

Phone Event Operations Centre during the times of operation above on [1300 561 854](tel:1300561854)

Outside of the times above

Outside of the times above, please proceed to the Maryborough & District Health Service (MDHS), 75-87 Clarendon Street, Maryborough. If a student is attending MDHS during the event period, Team Managers are expected to have relevant medical information readily available with them.

On Track Medical First Responders

An on-track medical first response team will be in operation to respond to all medical incidents which occur during ALL times of practice and competition.

In the case of an emergency, please call 000.

EMERGENCY PROCEDURES

Team Managers must brief all members of their team, support crew and others travelling with them.

Emergency Guide:

The health and safety of everyone involved in the Energy Breakthrough is of paramount importance to the way we operate.

The Teacher in Charge is responsible for briefing all school participants of the Emergency Response Procedures, choosing an appropriate Assembly Area and informing all participants of their designated Assembly Area (see Site Plan with the designated Assembly Areas clearly marked). This is the area to which participants should move to following evacuation.

VICPOL will control evacuation, in liaison with the EB Director of Emergency services.

Evacuation Procedure:

ALERT

Notify Security or Energy Breakthrough Official.

ACTION TONE

(One continuous high pitch signal from siren)

Move directly to the nearest designated assembly area as directed by Security, Official or Teacher in Charge.

Evacuate people NOT property.

EVACUATE

Evacuate the area following instructions from Security or Officials.

ASSEMBLE

Assemble at designated assembly area and meet with Teacher in Charge.

GOOD PREPARATION CAN HELP

Organisers ask that all teams bring a Fire Extinguisher/s for their camp site. Organisers are advised that a 4.5 kg Dry Powder Extinguisher, 3A60BE would be suitable.

There will water tanks on-site for firefighting purposes.

These should only be used for emergencies.

EMERGENCY NUMBERS Police: 000 <i>Hospital:</i> (03) 5461 0333 Fire: 000 Ambulance: 000 <i>Police Station:</i> (03) 5460 3300
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CAR AND BUS PARKING

Cars: \$20

Buses: Free

[Payment by EFTPOS only.](#)

The following Parking rules apply:

- Volunteer parking attendants will be on hand to assist and direct drivers upon arrival.
- Please follow the instructions of the parking officials and camping coordinators.
- Buses are exempt from the parking fee and will be required to park in designated bus parking areas only as guided by the volunteer parking attendants.
- All cars parking on the event site and the four areas adjoining the site will be charged to park.
- The four off-site parking areas are:
 - Burns Street
 - Holyrood Street
 - Park Road
 - Lake Victoria Car Park Area.
- A limit of **one car per school** is allowed to park within the event site (Red Restricted Areas Car Park Pass Holder) until car parks are filled, and after this time they must park off-site. The Red Parking passes are available for collection from the EB Admin Hub and / or the Camping Coordinators.
- **No vehicles will be permitted to drive or park on any grass areas, including camping areas. This is due to recent wet weather.** No parking is permitted on the ovals.
- Only buses will be permitted to park (where space is available) in the parking area at the southern end of the Track 2 Campground.
- Any **cool rooms** will need to be parked away from **any grassed areas**.
- The **Parking Pass Receipt** will issued to your car upon arrival (and after payment of the fee) must be filled in with contact details and placed on your windscreen. These receipts enable the vehicle to be parked on the site as directed.
- No vehicles are allowed to park in the **Maryborough Caravan Park**.

CAMPING INFORMATION

Upon arrival on site, schools are asked to follow directions of the Camping Co-ordinators and camp in areas as directed.

NOTICE: Please ensure you and your students bring a lot of insect repellent with you. The recent wet weather has caused a surge in mosquito numbers.

General Camping Locations:

- Secondary HPV teams will camp on Jubilee Oval.
- Primary schools will camp on either Princes Park Oval or at the Maryborough Caravan Park Please contact the Maryborough Caravan Park 03 5460 4848.
- EEV teams will camp on the Jubilee Oval.
- Try-athlon teams will camp on the Hockey Field inside Track 2 or Princes Park.

Camping guidelines

- Camp sites should be set up as soon as possible after arrival.
- The Energy Breakthrough is an alcohol-free and drug-free event.
- [No car parking is allowed on the ovals.](#)
- No Caravans, Camper Vans, Motor Homes, Horse Floats or any other modified wheeled sleeping vehicle will be allowed on the Energy Breakthrough Event Site.
Please contact the Maryborough Harness Racing Club: 5464 2451.
- Schools MUST NOT use very long tent pegs or star pickets, such as those used for hire marquees, on any of the camping grounds. Pegs must be 30cm or smaller.
- All Hired Marquees must be removed off all camping sites by 5pm on the Sunday of the event. Non removal will attract a removal fee charged to the school.
- Campers must position cooking devices on outside perimeter fence of Princes Park Oval possible.
- Campers must ensure “fat drip trays”, and protective sheeting is positioned underneath cooking devices to prevent heat and hot fat damage to camping surfaces on all campgrounds.
- Ample showers, water and toilet facilities are located throughout the event site.
Please refer to the site map for locations.

Please consider the needs of other campers by ensuring that:

- there is adequate supervision of team members within the camping area,
- your camping area is a quiet area at all times, and
- you leave your camp site clean when you depart.

Security

- Whilst the Energy Breakthrough organisers have engaged professional security services to be on site throughout the event, teams are reminded that they are responsible for the security of their own equipment, vehicles and personal belongings.
- Teams are strongly advised not to leave valuables in tents or around campsite.

CAMPING CHECKLIST

The health and safety of everyone involved in the Energy Breakthrough is of paramount importance to the way we operate. Please complete the checklist on the next page and present to the Administration Centre at Check-In.

As such the designated representative/Team Manager for each school camping onsite shall:

1. Ensure that electrical items brought onto site are for lighting *only*;
2. All electrical leads and electrical items brought onto site must be tested and tagged in accordance with AS3760: In-service safety inspection and testing of electrical equipment;

** NOTE: All leads MUST have a current test sticker affixed to the lead. A licensed electrician will be present onsite to perform in-service inspection of leads. Available from the Event Operations Centre (EOC) between 9am - 11am & 2pm - 4pm (Wed-Fri), the cost will be \$7.00 per lead.*

ELECTRICAL LEADS THAT DO NOT HAVE A CURRENT TEST STICKER MUST NOT BE USED ONSITE. A representative of the Energy Breakthrough shall request the designated representative/Team Manager to remove any untested lead from service immediately.

3. All electrical leads are to only be 10 amp heavy duty type;

**NOTE: Longer leads are preferred rather than several small leads joined together.*

4. Ensure that power boards are not used in series (i.e. one power board plugged into another);

**NOTE: As per item 2, all power boards must have a current test sticker affixed to the lead.*

5. **Ensure that all electrical leads are affixed to the fence line loosely with plastic zip ties.**

NOTE: **NO electrical leads are to be permitted in the guttering around the periphery of Princes Park and other ovals due to the potential of wastewater deposits from campers onsite;*

6. Ensure that any gas-powered BBQ's (including trailer based hotplate BBQ's) brought onto site have an Australian Gas Association (AGA) certification sticker and/or Energy Safe Victoria compliance plate attached and external condition inspections have been conducted;

7. Ensure that any **LPG Gas Cylinder** brought onto site is:

- i) In good condition;
- ii) Secured at all times (i.e. to a manufacturer's bracket on Energy Safe Victoria approved gas BBQ or in a plastic milk crate or similar);
- iii) Not to be used in a tent or canvas-type annex under **ANY** circumstance;
**NOTE: ALL gas appliances are to be stored away from the outside of a tent or annex.*
- iv) Checked prior to use with a BBQ. The gas bottle, regulator & hose assembly shall be checked for leaks by the designated representative/Team Manager, using a soapy water leak test. The Soapy Water Test is performed as per the following:

Place soapy water in a spray bottle or dish. Turn on the gas bottle without turning on the BBQ. This process pressurises the system. Next, spray the entire valve, regulator and hose assembly with the soapy water. Alternatively, you can apply the soapy water with a paint brush or it can even be sponged on. Bubbles will form if there is a gas leak or you may smell the gas.

8. Ensure that **one Dry Powder Fire Extinguisher and Fire Blanket** with current test tag (i.e. metal tag 'punched' within the last six months) are brought onto site if a LPG Gas Cylinder is to be used for cooking purposes;

9. That any **fuel** that is brought onto site (i.e. for use with generator's) **MUST** be stored in a container that complies with AS/NZS 2906 (2001). Schools must also ensure that a minimum of one Dry Powder Fire Extinguisher is supplied for each fuel container.

Camping Checklist	Yes	No
1. All Electrical items have a current electrical test sticker affixed;	<input type="checkbox"/>	<input type="checkbox"/>
2. Gas powered BBQ's brought onto site have Australian Gas Association (AGA) certification sticker and/or Energy Safe Victoria compliance plate, regular external condition inspections have been conducted that is verifiable; *NOTE: This includes any trailer-based hotplate BBQ	<input type="checkbox"/>	<input type="checkbox"/>
3. LPG Cylinders brought onto site have been inspected to ensure that all washers and O-rings are in sound condition;	<input type="checkbox"/>	<input type="checkbox"/>
4. All LPG Cylinders for use onsite have been secured (i.e. to a manufacturer's bracket on a gas BBQ or in a plastic milk crate or similar);	<input type="checkbox"/>	<input type="checkbox"/>
5. A bubble test has been conducted on all connections prior to the use of any gas powered BBQ to be used onsite;	<input type="checkbox"/>	<input type="checkbox"/>
6. Dry Powder Fire Extinguisher and Fire Blanket with current test tag (i.e. metal tag 'punched' within the last six months) are available for use;	<input type="checkbox"/>	<input type="checkbox"/>
7. Any fuel brought onto site is stored in a container that complies with AS/NZS 2906 (2001).	<input type="checkbox"/>	<input type="checkbox"/>

Acknowledgement

I hereby acknowledge that the information I have provided above is true and accurate as at the time of signing. I agree to comply with all reasonable directions provided by the Energy Breakthrough event organisers or volunteers in relation to all event health and safety instructions during the event.

PRINT NAME _____

SCHOOL NAME _____

Signed _____

DATE _____

PIT AREAS

- Where possible, pit numbers are the same as the team number.
- Each team in the HPV, EEV and Tryathlon endurance trials will be allocated a site in the pit area, except where schools with three entries in a category will be allocated two pit sites.
- All pit sites are numbered. Team numbers with a “3” or “4” prefix indicate where a school with three teams will use a total of two pit spaces. Eg. Team “310” shares pit space number 10 with team number 10.

Pit Locations by Pit Numbers:

Track 1:

- Pit 1A: 1-54
- Pit 1B: 55-99
- Pit 1C: 100-130

Track 2:

- Pit 2A: 1-40
- Pit 2B: 41-88

- All pit sites must be set-up as per the direction of Event Officials and changes may be required at the Officials discretion.
- All pit sites are approximately 3 m wide by 3 m deep, some are up to 6m deep.
- All teams must leave approximately 1 m clearance area in front of their pit site for rider changeovers and for other teams to have line of sight of the track and pit lane.
- There is no existing shelter in the pit areas. Teams are encouraged to erect a 3m x 3m or 3m x 6m tent, or arrange to share a tent with another team.
- During the event there is restricted access to the pit area.
- [There is no power existing in the pit areas. Teams will be required to arrange their own generators.](#)
- [Due to recent wet weather, NO MOTOR VEHICLES or TRAILERS are allowed on the grassed areas of ANY of the pit areas. Teams will be able to drive along the asphalt in front of their pits to ‘bump in’ their pit area at specified times in the BUMP-IN / BUMP OUT schedule.](#)
- [Teams are requested to bring a tarpaulin \(ideally 3m x 3m or 3m x 6m\) to place over the ground around their pit area. This will reduce ground damage and also help to keep their pit areas cleaner.](#)
- [To avoid clashes with other track activities, pit areas should NOT be set up too early in the event, please check the Bump In Times in the Event Schedule for details.](#)
- [The surface of your pit area may be hard, \(i.e. concrete or asphalt\) so securing tents will require water or sand filled weights rather than pegs.](#)
- HPV A teams are required to share their pit spaces - but not tools and resources - with Tryathlon teams for their Tryathlon Practice session.
- Teams are encouraged to erect a team or school banner in their designated pit area(s) including team numbers. A banner about two by one metres would be ideal
- Closed shoes must be worn in pit lane.
- Maximum speed in the pit area is 10km/h.

PIT AREA – BUMP IN / BUMP OUT TIMES

Vehicles will be permitted onto the track area in front of the pits to bump-in during the following times.

All teams must follow the instructions of the Track Manager and Officials to ensure all vehicles are cleared from the track by the specified cut off times. It is recommended you unload your vehicle and move it to a designated car park and then set-up your pit area.

TRACK 1: BUMP IN

PIT 1A (Stafford Straight / Front Straight):

- HPV Secondary & EEV Teams: Thursday any time.
- HPV Secondary & EEV Teams: All day Friday: Limited / rear access due to TRYathlon Obstacle Rally between 9:00am – 5:00pm. Full access Friday between 5:00pm – 6:00pm sharp.

PIT 1B (Burns St):

- HPV Secondary & EEV Teams: Thursday any time.
- HPV Secondary & EEV Teams: Friday any time prior to 6:00pm sharp.

TRACK 1: BUMP OUT: HPV Secondary & EEV Teams: Sunday anytime after 1:00pm.

TRACK 2:

PIT 2A (Front Straight):

BUMP-IN:

- HPV Primary: Wednesday any time except 1:30pm – 5:00pm.
- HPV Primary: Thursday between 11:00am – 12:00pm sharp AND / OR between 4:00pm – 5:00pm sharp.
- *NOTE that HPV A teams are required to share their pit spaces - but not tools and resources - with Tryathlon teams for their Tryathlon Practice session on Friday morning.*
- TRYathlon: Saturday between 11:45am – 1:00pm sharp.

BUMP-OUT:

- HPV Primary: Saturday between 11:00am – 11:45am

PIT 2B (Park Road):

BUMP-IN:

- HPV Primary: Wednesday any time.
- HPV Primary: Thursday between 11:30am and 6pm sharp.
- TRYathlon: Saturday between 11:30am – 1:00pm sharp.

BUMP-OUT:

HPV Primary: Saturday between 11:00am – 11:45am.
TRYathlon: Saturday anytime after 10:00pm.

PRIZES AND SPECIAL AWARDS

Energy Breakthrough Safety Award

Energy Breakthrough is committed to safety in everything we do.

This Award recognises a team that has met all the safety requirements in their design and construction processes and therefore presented a vehicle that protects their riders or other participants.

Energy Breakthrough Encouragement Award

This Award recognises a team that has overcome a great deal of adversity in the lead up to, and during the event in Maryborough.

Tricia Walsh Encouragement Award

A passionate and active member of Maryborough community, Tricia Walsh was a driving force in leading the Innovations in Technology category and a volunteer across various roles for over 15 years before she sadly passed away in 2012.

This is an Encouragement Award – as Tricia believed the event wasn't about winning – she preferred to encourage participation.

Judy Parker Award for the Best First Year School

Judy Parker was part of the Country Education Partnership when the Energy Breakthrough was conceived way back in 1990. She was passionate about engaging new and rural schools into the project.

This Award recognises the best performing first year school across all primary and secondary categories.

Bruce Reiffel Award for the Best Small Primary School

Bruce Reiffel was a local teacher at Maryborough Education Centre who dedicated himself to encouraging and supporting small schools enter the program. He was a tireless worker, always helping young people to build better vehicles, prepare themselves for the event and was always willing to help the smaller schools. He understood education and he understood the 'Breakthrough'. Bruce Reiffel sadly passed away in 2005.

This Award recognises the best performing HPV team from a primary school with an enrolment of less than 200 students.

Ian Rogerson Award for the Best Display & Presentation

Ian 'Rogo' Rogerson was a lifelong educator and the first Coordinator of the Display & Presentation section of the Event.

This Award recognises the schools with the highest Display & Presentation scores across all primary and secondary categories.

McCulloch's Engineering Prize for School-Based-Built Vehicles

The McCulloch's Engineering Prize aims to encourage and reward school-based design and construction. Use of commercially or professionally designed vehicles is not allowed in this Award which is open to students in Year 7 to Year 12 entered in the HPV and EEV categories.

This Award recognises a team who has built the majority of their vehicle at school and completed at least 500km during the 24 hour trial. Teams will be invited to self-nominate themselves for consideration for this Award during Design & Construction assessment.

EXPO, FOOD OUTLETS and FREE MOVIE SCREENINGS

EB CENTRAL Expo

10am – 5pm Friday and Saturday

Activities and displays provided by Scouts Victoria, Transurban, Toyota, Freeza and more.

Team Managers may not have time to visit yourself, but it's definitely worth encouraging your students crews, parents, friends and relatives of your team to visit.

Find Out More > <http://eb.org.au/expo>

Food Outlets

Teams are required to cater for their own meals.

However, there are a number of local and commercial caterers located throughout the event site selling a range of food including sandwiches, pies, pasties, ice creams, hot dogs, sweets, sausages, bacon & eggs, coffee, hot and cold drinks.

Track side outlets are open all day Friday, all day and night Saturday, and Sunday until after lunch.

FReeZA Free Movie Screening

On the Thursday night and Saturday night, the local FReeZA team will be screening a free PG rated movie from dusk (approx. 8:00 pm) in EB Central.

- Thursday - SpaceJam: A New Legacy (supported by Telstra and Freeza)
- Saturday - Minions: The Rise of Gru

All welcome, please bring your own chairs and rugs!

Maryborough Outdoor Swimming Pool - closed for 2022

Unfortunately, due to repair works being required, the Maryborough Outdoor Swimming Pool will be closed for the duration of the 2022 Energy Breakthrough. Toilets and showers will still be available for use by event attendees.

B-Alternative - Our Sustainability Partner

Energy Breakthrough is working closely with B-Alternative for the 2022 and 2023 Maryborough events to reduce event waste, increase waste education and become a more sustainable event overall!

What is B-Alternative?

B-Alternative is a social enterprise which helps organisations and events eradicate waste by offering sustainable alternatives for the products they buy, the introduction of new systems and finding pathways to reuse and recycle waste.

How has this come about?

Made possible by the Circular Economy Councils grant funding from the Victorian Government through Sustainability Victoria, [B-Alternative](#) will be working closely with Energy Breakthrough to implement some new and exciting practices at the 2022 event, making EB more environmentally conscious than ever before.

What will it look like?

The friendly B-Alternative staff and volunteers will be onsite throughout the event helping to make sure Energy Breakthrough has the smallest environmental impact as possible.

Included in this Event Manual and available for download from our website are sustainability initiatives for the event that we ask schools, staff and parents to take the time to carefully absorb, support and become familiar with.

EVENT SCHEDULE

Wednesday

Start Time	Activity	Category	Location/s
8:30AM	Check-In Open	Pushcarts Only	EB Admin Hub
9:30AM	Check-In Open	All Categories	EB Admin Hub
9:30AM	Design & Construction & Scrutineering Starts	Pushcarts	EB Central
12:30PM	Design & Construction & Scrutineering Concludes	Pushcarts	EB Central
1:30PM	Pushcart Obstacle Starts (3.5 hours)	Pushcarts	Track 2
5:00PM	Check-In Closes	All Categories	EB Admin Hub
5:00PM	Pushcart Obstacle Finishes	Pushcarts	Track 2
Anytime	Pit Area Bump In	HPV Primary	Track 2

Thursday

Start Time	Activity	Category	Location/s
8:00AM	Check-In Open	All Categories	EB Admin Hub
8:30AM	Pushcart Team Manager Meeting	Pushcarts	Track 2 (Stage)
9:00AM	Pushcart Endurance Event Starts (2 hours)	Pushcarts	Track 2
9:00AM	Display & Presentation Commences	HPV Primary & TRYathlon	EB Central
9:00AM	Scrutineering and Design & Construction commences	HPV Primary & TRYathlon	EB Central
11:00AM	Pushcart Endurance Event Finish	Pushcarts	Track 2
11:00AM – 12:00PM	Pit Area Bump In – Pit2A and Pit 2B	HPV Primary	Track 2
11:00AM – 5:00PM	Pit Area Bump In – Pit 2B only	HPV Primary	Track 2
1:00PM	Pushcart Sprint Starts (2 hours)	Pushcarts	Track 2 (B/n Marshal Pts 9 - 1)
3:00PM	Pushcart Sprint Concludes	Pushcarts	Track 2 (B/n Marshal Pts 9 - 1)
3:30PM	Pushcart Presentations	Pushcarts	Track 2 (Stage)
5:00PM	Check-In Closes	All Categories	EB Admin Hub
4:00PM – 5:00 PM	Pit Area Bump In - Pit2A and Pit 2B	HPV Primary	Track 2
5:00PM	Display & Presentation Concludes	HPV Primary & TRYathlon	EB Central
5:00PM	Scrutineering and Design & Construction concludes	HPV Primary & TRYathlon	EB Central
6:00PM	Team Manager and Marshals Meeting starts	TRYathlon	EB Central
6:00PM	Rider and Team Manager Briefing	HPV Primary	Track 2 (Stage)
6:30PM	HPV Primary Practice Session Starts (2 hour)	HPV Primary	Track 2
6:30PM	Team Manager and Marshals Meeting concludes	TRYathlon	EB Central
8:00PM	Free Movie Screening: SpaceJam: A New Legacy (supported by Telstra and Freeza)	All Categories	EB Central
8:30PM	HPV Primary Practice Session Concludes	HPV Primary	Track 2

Friday morning

Start Time	Activity	Category	Location/s
Anytime	Pit Area Bump In – Pit 1B. Note: Limited / rear access for Pit 1A until 5:00pm	HPV Secondary & EEV	Track1
7:15AM	TRYathlon Practice Session Starts (1.5 hours)	TRYathlon	Track 2
8:00AM	Check-In Open	All Categories	EB Admin Hub
8:45AM	TRYathlon Practice Session Concludes	TRYathlon	Track 2
9:00AM	Display & Presentation Commences	HPV Secondary & EEV	EB Central
9:00AM	Scrutineering and Design & Construction commences	HPV Secondary & EEV	EB Central
9:00AM – 6:00PM	Pit Area Bump In (Pit 1B ONLY)	HPV Secondary & EEV	Track 1 – Pit 2B ONLY
9:45AM	Robotics Challenge starts	Robotics	EB Central
10:00AM	Primary – Obstacle Course Secondary – Dance	Robotics	EB Central
10:00AM	TRYathlon Time Trial - Round 1 of 3 - Starts (2 hours)	TRYathlon	Track 1 (B/n Marshal Pts 7-9)
10:00AM	TRYathlon Obstacle Course - Round 1 of 3 - Starts (2 hours)	TRYathlon	Track 1 (B/n Marshal Pts 10 - 2)
11:00AM	Primary – Dance Secondary – Obstacle Course	Robotics	EB Central
11:00AM	Commence form up of grid	HPV Primary	Track 2
11:45AM	All vehicles on grid	HPV Primary	Track 2
11:50AM	All riders in vehicles - grid cleared	HPV Primary	Track 2
11:52AM	National Anthem and Official Proceedings	HPV Primary	Track 2
11:55AM	Rolling Lap commences	HPV Primary	Track 2
12:00PM	HPV Primary Endurance Trial - Part 1 - Starts (9 Hours)	HPV Primary	Track 2
12:00PM	TRYathlon Time Trial - Round 1 of 3 - Concludes	TRYathlon	Track 1 (B/n Marshal Pts 7-9)
12:00PM	TRYathlon Obstacle Course - Round 1 of 3 - Concludes	TRYathlon	Track 1 (B/n Marshal Pts 10 - 2)

Friday afternoon & evening

Start Time	Activity	Category	Location/s
12:45PM	Briefing for Labyrinth for both Primary and Secondary	Robotics	EB Central
1:00PM	TRYathlon Time Trial - Round 2 of 3 - Starts (2 hours)	TRYathlon	Track 1 (B/n Marshal Pts 7-10)
1:00PM	TRYathlon Obstacle Course - Round 2 of 3 - Starts (2 hours)	TRYathlon	Track 1 (B/n Marshal Pts 11 - 2)
1:00PM	Coding the Labyrinth	Robotics	EB Central
2:00PM	Labyrinth Attempts	Robotics	EB Central
2:45PM	Presentations	Robotics	EB Central
3:00PM	Robotics Challenge concludes	Robotics	EB Central
3:00PM	TRYathlon Time Trial - Round 2 of 3 - Concludes	TRYathlon	Track 1 (B/n Marshal Pts 7-10)
3:00PM	TRYathlon Obstacle Course - Round 2 of 3 - Concludes	TRYathlon	Track 1 (B/n Marshal Pts 11 - 2)
3:00PM	TRYathlon Time Trial - Round 3 of 3 - Starts (2 hours)	TRYathlon	Track 1 (B/n Marshal Pts 7-10)
3:00PM	TRYathlon Obstacle Course - Round 3 of 3 - Starts (2 hours)	TRYathlon	Track 1 (B/n Marshal Pts 11 - 2)
5:00PM	TRYathlon Time Trial - Round 3 of 3 Concludes	TRYathlon	Track 1 (B/n Marshal Pts 7-10)
5:00PM	TRYathlon Obstacle Course - Round 3 of 3 - Concludes	TRYathlon	Track 1 (B/n Marshal Pts 11 - 2)
5:00PM	Check-In Closes	All Categories	EB Admin Hub
5:00PM – 6:00PM	Pit Area Bump In – Pit 1A and 1B	HPV Secondary & EEV	Track 1
5:00PM	Team Captain Meeting starts	HPV Secondary & EEV	EB Central
5:00PM	Display & Presentation Concludes	HPV Secondary & EEV	EB Central
5:00PM	Scrutineering and Design & Construction concludes	HPV Secondary & EEV	EB Central
5:30PM	Team Captain Meeting concludes	HPV Secondary & EEV	EB Central
5:30PM	Team Manager and Marshals Meeting starts	HPV Secondary & EEV	EB Central
6:00PM	Team Manager and Marshals Meeting concludes	HPV Secondary & EEV	EB Central
7:30PM	HPV Secondary and EEV Practice Session Starts (2 hours)	HPV Secondary & EEV	Track 1
9:00PM	HPV Primary Endurance Trial - Part 1 Concludes	HPV Primary	Track 2
9:30PM	HPV Secondary and EEV Practice Session Concludes	HPV Secondary & EEV	Track 1

Saturday

Start Time	Activity	Category	Location/s
6:00AM	HPV Primary Endurance Trial - Part 2 Starts (5 hours)	HPV Primary	Track 2
10:00AM	Junkyard Challenge starts	Junkyard Challenge	EB Central
11:00AM	HPV Primary Endurance Trial - Part 2 Concludes	HPV Primary	Track 2
11:30 AM	Pack down HPV Primary Pit Areas	HPV Primary	Track 2
11:30 AM – 1:00 PM	Pit Area Bump In – Pit 2A and 2B	TRYathlon	Track 2
12:00PM	HPV Primary - Presentations	HPV Primary	Track 2 (Rear of Stage)
12:00PM	Junkyard Challenge Concludes	Junkyard Challenge	EB Central
12:00PM	Commence form up of grid	HPV Secondary & EEV	Track 1
12:15PM	Junkyard Challenge Presentations	Junkyard Challenge	EB Central
12:45PM	All vehicles on grid	HPV Secondary & EEV	Track 1
12:50PM	All riders in vehicles - grid cleared	HPV Secondary & EEV	Track 1
12:52PM	National Anthem and Official Proceedings	HPV Secondary & EEV	Track 1
12:55PM	Rolling Lap commences	HPV Secondary & EEV	Track 1
1:00PM	HPV Secondary and EEV Trial Starts (24 hours)	HPV Secondary & EEV	Track 1
1:00PM	Commence form up of grid	TRYathlon	Track 2
1:45PM	All vehicles on grid	TRYathlon	Track 2
1:50PM	All riders in vehicles - grid cleared	TRYathlon	Track 2
1:52PM	National Anthem and Official Proceedings	TRYathlon	Track 2
1:55PM	Rolling Lap commences	TRYathlon	Track 2
2:00PM	TRYathlon Endurance Trial Starts (8 hours)	TRYathlon	Track 2
8.00PM	Free Movie Screening: Minions: The Rise of Gru (supported by Telstra and Freeza)-Fina	All Categories	EB Central
10:00PM	TRYathlon Endurance Trial Concludes	TRYathlon	Track 2
11:00PM	TRYathlon Presentations	TRYathlon	Track 2 (Rear of Stage)

Sunday

Start Time	Activity	Category	Location/s
1:00PM	HPV Secondary and EEV Trial Concludes	HPV Secondary & EEV	Track 1
2:00PM	HPV Secondary and EEV Presentations	HPV Secondary & EEV	EB Central
AFTERNOON	Teams Pack Up and Depart		



ENERGY BREAKTHROUGH SITE - KEY

- | | | | |
|--|---------------------------|--|-------------------------|
| | First Aid | | Trackside |
| | Assembly Area | | Stage |
| | Camping Area | | Marquee 1 |
| | Food & Refreshments | | Marquee 2 |
| | Drinking Water | | Marquee 3 |
| | Toilets | | Marquee 4 |
| | Accessible Toilet | | Event Operations Centre |
| | Showers | | Exhibitors (EB Central) |
| | Wrist Banding Station | | Bridge |
| | Recharge Station | | One way traffic only |
| | Massage | | Walking track only |
| | Parking Area | | |
| | Road Closed | | |
| | Gate (numbered) | | |
| | Marshal Point (numbered) | | |
| | Start/Finish | | |
| | Pushcart Changeover Point | | |

eb.org.au

Energy Breakthrough is a non-smoking event



BALLARAT/AVOCA →

Map not to scale.



Gates 1 - 5 for
arriving campers



CAMPER ENTRY VIA GATE 5

- Caravan Park
- Track 2 Camping
No vehicle access for camping when Track 2 is closed, please refer to Gate 1 closure times.
- Princes Park Oval
No vehicle access for camping when Track 2 is closed, please refer to Gate 1 closure times (please use Gate 2 during these times)

CAMPER ENTRY VIA GATE 4

- Jubilee Oval
- Tennis Bay Camping

GATE CLOSURES

- **GATE 1**
 - Closed Thursday 8.30am - 11.30am
 - Closed Thursday 6pm - 8.30pm
 - Closed Friday 6.45am - 9am
 - Closed Friday 10.30am - 9pm
 - Closed Saturday 5.30am - 11am
 - Closed Saturday 12.30pm - 10pm
- **GATE 2**
 - Open all hours, no vehicles bigger than 10 tonnes
- **GATE 3**
 - Closed to campers
- **GATE 4**
 - Closed Friday 6.30pm - 9.30pm
 - Closed Saturday 12pm - Sunday 1pm
- **GATE 5**
 - Open all hours for Caravan Park entry and parking
 - Please see Gate 1 closures for Track 2 and Princes Park Camping access

FROM BENDIGO

FROM BALLARAT

FROM CASTLEMAINE

ENERGY BREAKTHROUGH | BECOMING A SUSTAINABLE EVENT

The Dja Dja Wurrung People have looked after the Djandak land on which Energy Breakthrough (EB) is held for over 65,000 years. By taking a few simple steps, we can ensure we too, can look after this unceded land.

Working closely with social enterprise, B-Alternative, Central Goldfields Shire Council are implementing some exciting initiatives to make the EB event more environmentally conscious than ever before, but we need everyone onsite to be aware and be a part of the movement.

You will meet the friendly B-Alternative staff and volunteers throughout the event, who will be helping to make sure EB has the smallest environmental impact as possible.

Below are sustainability initiatives for the event. We ask that your school take the time to carefully absorb this information, support the concepts, and familiarise yourself with the expectations when camping on the land.

ACTIONS EB WILL BE TAKING

- Make an Acknowledgement of Country throughout the event.
- Seek out opportunities to listen and learn from First Peoples.
- Caring for Country practises through leaving the site as clean as they found it, and not damaging any land whilst there.

ACTIONS THAT B-ALTERNATIVE WILL BE IMPLEMENTING



Reusable Crockery System

In an effort to have as little landfill waste as possible, B-Alternative will be implementing a reusable system which will see the food and beverage vendors have reusable crockery instead of single use packaging. This initiative helps us reduce our vendor related event waste by 90-95%.



Resource Recovery Stations

To reduce the amount of general waste on site and to ensure items are properly recycled or composted, B-Alternative will be using multi stream waste systems across the event area.



Please follow the directions of the waste volunteers and place all of your waste into the correct section of the Resource Recovery Stations (bin stations).



Campsite Education

B-Alternative will be walking around campsites to ensure tents and marquees are set up correctly, so they don't get damaged and become single-use items. They will also be checking on litter and general cleanliness of campsites and team areas.



Clean Campsite/Team Area Competition

Prizes will be awarded to the five cleanest campsites/team areas across the event as judged by our environmental team. Encourage your friends to clean up, recycle, compost, get your house in order!

ACTIONS WE ASK FROM SCHOOLS (STUDENTS, STAFF & PARENTS)

Use the below as a checklist to prepare for the event and ensure you're leaving a low environmental impact when you head home.

SUSTAINABLE ACTIONS	✓
Bring a labelled reusable drink bottle.	
Bring reusable items like bags, straws, coffee cups, plates and cutlery.	
Buy/borrow/bring quality camping gear.	
Second-hand gear is a great option if you need to purchase.	
If your gear breaks, get it repaired and dispose of it thoughtfully. Don't leave it on site at the end of the event.	
Be conscious of what you are bringing to site - waste free, no - low packaging. Bring snacks in reusable containers rather than single use packaging, avoid individually wrapped lollies etc	
Make better personal hygiene choices like plastic-free, waste-free and cruelty-free skincare, haircare and menstrual care.	
Separate your waste into the appropriate streams then drop them off at your nearest resource recovery station. All campers will be provided with organics, recycling and general waste bags.	
Bring along water dispensers to refill drink bottles for large groups e.g. 5L or 10L etc. Try to avoid bringing the 10L plastic ones.	

Thank you for working hard with us to ensure EB 2022 will respect our planet.