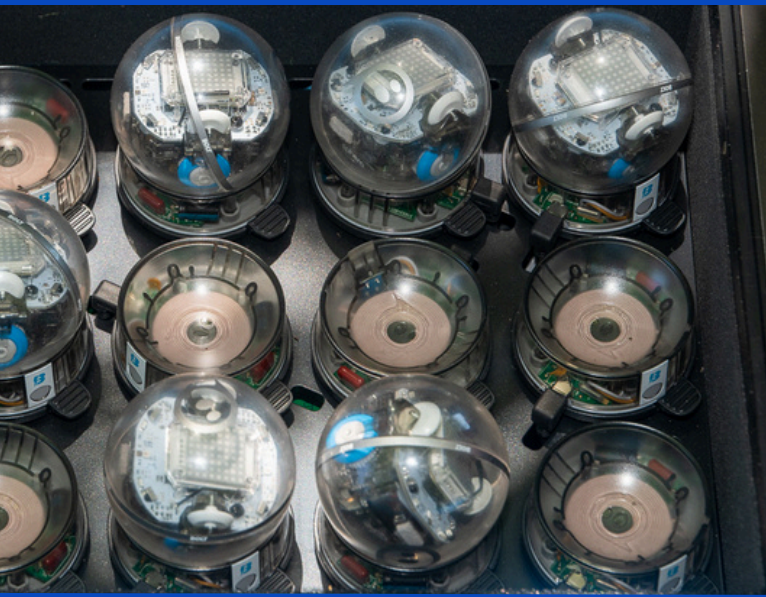




ENERGY BREAKTHROUGH

POWERED BY IMAGINATION

2024 EVENT MANUAL



A PARTNERSHIP BETWEEN

OUR SPONSORS AND SUPPORTERS



Energy Breakthrough - Hall of Fame

Norm Rasmussen
Inducted 2014

Bob Osborne OAM
Inducted 2017

Bruce Reiffel
Inducted 2018

Ian Rogerson
Inducted 2018

Judy Parker
Inducted 2018

Tricia Walsh
Inducted 2018

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VERSION 2024.01

Changes for 2024 are highlighted and underlined in blue throughout this Event Manual.

Areas that the Energy Breakthrough organisers wish to emphasise are highlighted in bold type.

EVENT ADMINISTRATION

Entries

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System Account Issues

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Invoicing

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Council (CGSC)
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Volunteers

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Lead Scrutineer

Michael McTigue

Display and Presentation

Laurie Preston

Pushcarts & Robotics

Rob Higgins

Tryathlon

Mary Preston

Design & Construction

Xavier Rodgers

During the event, please phone the

Event Operations Centre (EOC): 1300 561 854

Please direct all written enquiries to enquiries@eb.org.au

ONLINE

Website www.eb.org.au

Facebook www.facebook.com/ebmaryborough

Instagram www.instagram.com/ebmaryborough

YouTube www.youtube.com/energybreakthrough

VISITOR INFORMATION, TOURISM AND ACCOMMODATION

Central Goldfields Visitor Information Centre

Phone: 1800 356 511

Email: visitorinfo@cgoldshire.vic.gov.au

Website: www.visitmaryborough.com.au



Energy Breakthrough Schools Event Manual November 2024

Dear Team Manager,

Congratulations for making it this far! This Schools 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.

Key Program Changes for 2024

- Condensed the **Pushcart Program** into a one-day program on Thursday.
- Partnered our **Robotics Program** with the Sphero Global Challenge. This new activity will take place in the nearby Maryborough Pipe Band Hall on Friday.
- Cancelled the **Junkyard Challenge**.
- Made changes to the **TRYathlon** schedule.

VENUE ACCESS REMINDERS:

- To allow for a safe set-up, the Event Site is CLOSED to schools until 1pm on Tuesday 19th November.
- An important reminder that there will be **NO VEHICLE ACCESS** to the camping areas inside Track 1, including Jubilee Oval and the Tennis Bay campgrounds, during the Practice and Trial sessions. Please refer to the Track Access details within this Event Manual for full details.

If you have any questions about this year's event, 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.

Best of luck,

Nigel Preston
Education Team Leader
Energy Breakthrough

CONTACT DURING THE EVENT

During the event, please contact us via

Event Operations Centre (EOC): 1300 561 854

Please direct all written enquiries to enquiries@eb.org.au

TEAM MANAGER CHECKLIST

Have you remembered to do the following?

Checklist	Yes
1. SAFETY AND INSURANCE Registered this activity as a normal 'school excursion' with your school.	<input type="checkbox"/>
2. CHILD SAFETY Ensure all adults that are Team Managers or in supervising roles with students during the event have current Working With Children Checks (WWCC) . See http://www.workingwithchildren.vic.gov.au/	<input type="checkbox"/>
3. SCHEDULES 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/	
4. CAR AND BUS PARKING POLICY Read and understood the Car and Bus Parking policy within this Event Manual.	<input type="checkbox"/>
5. MEDICAL AND EMERGENCY EVACUATION Read and understood the Medical and Emergency Evacuation Information within this Event Manual.	
6. CAMPING CHECKLIST Completed the Camping Checklist online via the MyEB Portal. See https://my.eb.org.au/ ACCESS TIMES: Reviewed the access times for your camp site.	<input type="checkbox"/>
7. SCHOOLS HANDBOOK Downloaded your category/ies relevant Schools Handbook for the relevant rules and regulations. See: https://www.eb.org.au/team-managers-hub/	<input type="checkbox"/>
8. PARTICIPANT LICENSE Prepared a Participant Licence for each of your students: See: https://www.eb.org.au/team-managers-hub/	<input type="checkbox"/>
9. MARSHAL TRAINING 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"/>
10. CONTACT DETAILS Checked that your Team Manager mobile contact details are up to date so that Event Officials can contact you during the event via the MyEB Portal. See https://my.eb.org.au/	<input type="checkbox"/>
11. TEAM MEMBER LISTS Completed your ' Team Lists ', including details of riders and support crew via the MyEB Portal. See https://my.eb.org.au/	<input type="checkbox"/>
12. Take a deep breath!	<input type="checkbox"/>



Better banking. Big impact.

It's a win-win when you bank with us.

Community Bank Avoca, Maryborough and St Arnaud returns profits to the people and communities that generate them.

So your home loan becomes part of something much bigger. And much better.

Last year it was the communication board at the Avoca Public Park.

This year it's partnering with Energy Breakthrough (EBT) as the Official Volunteer Sponsor.

Find out more. Search Bendigo Bank near me.

📍 Community Bank · Avoca 5465 3804 · Maryborough 5461 4384 · St Arnaud 5495 2587

 **Bendigo Bank**

SAFETY AND INSURANCE

All Team Managers must ensure they fulfil all Victorian Education Department requirements (including insurance), as you would for all school excursions.

Excursion staff

Excursion staff must be approved by the principal or school council (as outlined in Excursions – [Planning and Approvals](#)) and may include:

- teachers employed by the Department or school council
- other adults on a volunteer or paid basis such as:
 - parents or carers
 - education support class officers
 - community members
 - trainee teachers
 - campsite staff
 - specialist instructors for excursion activities.

Important: school students cannot be used as excursion staff.

Excursion staff who will provide supervision of students and who are not registered teachers must have a Working with Children Check.

Please see:

<https://www2.education.vic.gov.au/pal/excursions/guidance/approvals>

Please note: While every precaution is taken to make the event as safe as possible (including scrutineering vehicle checks, safety equipment first-aid facilities and on-going safety checks), no responsibility can be taken for teams.

CHILD SAFETY POLICY

The Energy Breakthrough is committed to the care, safety and wellbeing of all children and young people attending our event. We work in partnership with schools to keep participants safe from harm, including all forms of abuse in our environment, on site and online.

Our practices take into account relevant legislative requirements within the state of Victoria, including the specific requirements of the Victorian Child Safe Standards as set out in Ministerial Order No. 870.

You can view the Central Goldfields Shire Council's Child Safe Policy at:

<https://www.centralgoldfields.vic.gov.au/Council/Policies-Plans-Strategies-and-Documents/Council-Policies>

This includes the completion of Working with Children Checks and, or police checks of ALL attending parents and volunteers, as per the requirements of the Working with Children Act.

Please see: <https://service.vic.gov.au/services/working-with-children>

REVIEW YOUR TEAM SCHEDULES

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 schedules will be displayed digitally this year and can be easily shared with your team members, supporter crew and parents.

All School's Schedules, including Marshal Rosters, are available online throughout the event at:
<https://schedule.eb.org.au/>

CAR AND BUS PARKING POLICY

Cars: \$20.00

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 three areas adjoining the site will be charged to park.
- The three adjoining parking areas are:
 - Burns Street.
 - Holyrood Street.
 - Park Road.
- A limit of **one car per school** is allowed to park within the event site with a Red Restricted Areas Car Park Pass. - until car parks are filled, and after this time they must park in adjoining areas. The Red Parking passes will be posted to schools prior to the event.
- 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 **Yellow Parking Receipt**, issued once payment is received, 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**.

MEDICAL & FIRST AID ADVICE

The Medical and Emergency Services will be located on-site throughout the Energy Breakthrough with a Trackside Medical Centre in operation on Corner 2 of Track 1 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** from Advanced First Aid provider **ColMed** will be on-site during all programmed hours of the event.

In case of an injury, please proceed to a Trackside Medical Centre or seek assistance from an event official.

General First Aid Hours of Operation

DAY	HOURS
TUESDAY	N/A
WEDNESDAY	9:00am – 9:00pm
THURSDAY	9:00am – 9:00pm
FRIDAY	6:00am – 9:30pm
SATURDAY	9:00am – 12:00 Midnight
SUNDAY	12:00 Midnight – 2:00pm

For emergencies during the event please contact, call the Event Operations Centre (EOC):
[1300 561 854](tel:1300561854)

Outside of the times above

Outside of the times above, call 000 or 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 Response Team will be in operation to respond to all medical incidents which occur during practice sessions and trial competitions.

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.

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

Evacuation Procedure

ALERT

Notify Security or Energy Breakthrough Official via [1300 561 854](tel:1300561854).

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 – FIRE EXTINGUISHER

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.

EVENT OPERATIONS CENTRE (EOC)

1300 561 854

EMERGENCY NUMBERS

Police:	000
Hospital:	(03) 5461 0333
Fire:	000
Ambulance:	000
Police Station:	(03) 5460 3300

EXTREME WEATHER (HEAT / RAIN / THUNDERSTORM) POLICIES

Event organisers reserve the right to implement a range of staged strategies to reduce the likelihood of incident and / or injury from a range of extreme weather scenarios.

These policies will apply to all activities on-site and the decision is the responsibility of the Clerk of Course and event organisers.

Total Fire Ban Policy:

In the event of a TOTAL FIRE BAN being declared the following rules will apply:

- The Trial/s will proceed as scheduled unless the organisers and Clerk of Course consider it unsafe to do so.
- Campers will NOT be able to use BBQ's or other open air stoves.
- This ban will apply to the full 24 hours of the declared day.
- Event caterers only will be able use BBQ's, if a permit is issued from the CFA, and they agree to meet all permit conditions.

Extreme Heat Weather Policy:

If the temperature exceeds 36' degrees Celsius, organisers reserve the right to implement a range of staged strategies to reduce the likelihood of heat stress.

These strategies include:

- compulsory breaks for riders / participants.
- suspension or re-scheduling of the Display & Presentation, Design & Construction & Scrutineering assessments.
- Suspension of the on-track Trial/s for a period of time.
- Modification or shortening of the on-track Trial/s.

Thunderstorm / Lightning Policy: '30-30 Rule'

The '30–30 Rule' is an Australian Standard, which states that when you see lightning, count the time until you hear the associated thunder, and if this time delay is 30 seconds or less, go immediately to a safe location.

30 minute wait: After hearing the last rumble of thunder, wait 30 minutes before leaving shelter. There is still danger after a storm is over, so stay in a safe area until you are sure the threat has passed.

Strategies in the event of a thunderstorm or lightning storm during the event include:

- suspension or re-scheduling of the Display & Presentation, Design & Construction & Scrutineering assessments.
- Suspension of the on-track Trial/s for a period of time.
- Modification or shortening of the on-track Trial/s.
- Evacuation to undercover areas on-site or off-site.

CAMPING INFORMATION

Please refer to the Campers Detour Map for the best access to your campsite, please pass this onto those travelling with you. Campers on Jubilee Oval should talk with Event Management about access during Track 1 closure times.

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

[All schools please note: there will be NO VEHICLE ACCESS to the camping areas inside Track 1, including Jubilee Oval and the Tennis Bay campgrounds, during the Practice and Trial sessions. Camping equipment can be walked in via the overpasses during these times.](#)

General Camping Locations:

- **HPV Secondary teams** will camp on Jubilee Oval and on the Tennis Bay campgrounds.
- **EEV teams** will camp on the Jubilee Oval and on the Tennis Bay campgrounds.
- **Primary schools** will camp on Princes Park Oval.
- **Try-athlon** teams will camp on the Track 2 camp ground or Princes Park.
- Schools may camp at the Maryborough Caravan Park, however, this needs to be arranged and booked directly with the Caravan Park.
- Schools may camp offsite, however, EB event organisers still need to be notified for event coordination and emergency management purposes.

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. Ph: 5464 2451.
- Schools **MUST NOT** use long tent pegs longer than 30cm or star pickets, such as those used for hire marquees, on any of the camping grounds.
- 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 the 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 your campsite.

CAMPING REQUIREMENTS

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 via MyEB prior to 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.

All ELECTRICAL leads and POWER BOARDS 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. A representative of the Energy Breakthrough will require the Team Manager to remove any untested or untagged 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 a series (i.e. one power board plugged into another).
5. **Ensure that all electrical leads are affixed to the fence line loosely with reusable plastic zip ties.**
*NOTE: **NO** electrical leads are to be permitted in the guttering around the boundary 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 or an 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.

10. Recommend bringing reusable crockery and cutlery: there is an on-site wash bay in EB Central to wash these items.

CAMPING CHECKLIST

The following checklist must be completed via the Online Entry System <https://my.eb.org.au/>

Camping Checklist	
1.	All Electrical items have a current electrical test sticker affixed;
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;
3.	LPG Cylinders brought onto site have been inspected to ensure that all washers and O-rings are in sound condition;
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);
5.	A bubble test has been conducted on all connections prior to the use of any gas powered BBQ to be used onsite;
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;
7.	Any fuel brought onto site is stored in a container that complies with AS/NZS 2906 (2001).

The screenshot shows the myEB online entry system interface. The top navigation bar includes 'myEB' logo and menu items: Dashboard, Registration, Organisations, My Event, and Forms. The breadcrumb trail is 'Dashboard / Forms / Camping Checklist / Responses / Create'. A 'Save' button is visible in the top right. The form content includes:

- Camping Checklist**
- Organisation**
- Organisation ***
Dropdown menu with 'Douglas Pride' selected.
- Camping Checklist**
- LPG Cylinders ***
Dropdown menu with '-- Select an Option --' selected.
Text: 'LPG Cylinders brought onto site have been inspected to ensure that all washers and O-rings are in sound condition;'
- Electrical Items ***
Dropdown menu with '-- Select an Option --' selected.
Text: 'All Electrical items have a current electrical test sticker affixed;'

PIT AREAS

There are pit areas on Track 1 as marked on the event site map:

Pit 1A: #1 – #52

- Pit #1 is located near the start / finish line at Marshal Point #1 (Pit 1A Exit).
- Pit #52 near Jubilee Oval end at Marshal Point #11 (Pit 1A Entry).
- There is NO mains power provided to teams in this pit lane. Teams will be required to bring their own generators in this pit lane.

Pit 1B: #53 - #99

- Pit #53 is located near Marshal Point #5 (Pit 1B Entry).
- Pit #99 is located near Marshal Point #6 (Pit 1B Exit).
- LIMITED mains power is available to teams in this pit lane. Schools are encouraged to bring their own generators or go off the grid.
- Where possible, pit numbers are the same as the team number.
- All pit sites are numbered using paint on the asphalt.
- 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 pits sites.
- Team numbers with a “300” 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.
- For identification purposes, teams in TRYathlon Primary category will have a “400” prefix. i.e. Team “410” will be in pit space number 10.
- For identification purposes, teams in TRYathlon Secondary category will have a “500” prefix. i.e. Team “510” will be in pit space number 10.
- 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, and / or arrange to share a tent with another team.
- During the event there is restricted access to the pit area for motor vehicles.
- There is no power existing in the Pit 1A and limited power in Pit 1B. Teams will be required to arrange their own generators.
- During set-up and pack-down, teams will be able to drive into their pits during the specified times in the ‘Set-up and Pack-down 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 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 may require water or sand filled weights rather than pegs.
- Teams are encouraged to erect a team or school banner in their designated pit area(s) including team numbers. A banner about 2 m x 1 m would be ideal.
- Closed shoes must be worn in pit lane.

- Maximum speed in the pit area is 10km/h.
- **Schools who bring carpet for their pit area MUST remove the carpet and take this home with them – this cannot be left in the pit area or in the skips at the event.**

CAMPING AREA & PIT AREA – SET-UP / PACK-DOWN TIMES

- Motor vehicles will be permitted onto the track area in front of the pits to Set-up and Pack-down during the following times.
- All teams must follow the instructions of the Track Manager and EB 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.

WEDNESDAY:

- Anytime prior to 5:30pm: Track 1 and Jubilee Oval **open** for vehicle access.
HPV Primary and TRYathlon Primary teams: Pits Set-up ONLY.
- 5:30pm – 9:00pm: Track 1 and Jubilee Oval **closed** for vehicle access.
- 9:00pm onwards: Track 1 and Jubilee Oval **open** for vehicle access.

THURSDAY:

- Anytime prior to 8:00am: Track 1 and Jubilee Oval **open** for vehicle access.
HPV Primary and TRYathlon Primary teams: Pits Set-up ONLY.
- 8:00am – 6:00pm: Track 1 and Jubilee Oval **closed** for vehicle access.
- Anytime after 6:00pm: Track 1 and Jubilee Oval **open** for vehicle access.

FRIDAY:

- 5:30am – 1:00pm: Track 1 and Jubilee Oval **closed** for vehicle access.
- 1:00pm – 2:00pm: HPV Primary and TRYathlon Primary teams: Pits Pack-down ONLY.
- 2:00pm – 6:30pm: HPV Secondary and TRYathlon Secondary teams: Pits Set-up ONLY.
- 6:30pm – 9:30pm: Track 1 and Jubilee Oval **closed** for vehicle access.
- Anytime after 9:30pm: Track 1 and Jubilee Oval **open** for vehicle access.

SATURDAY:

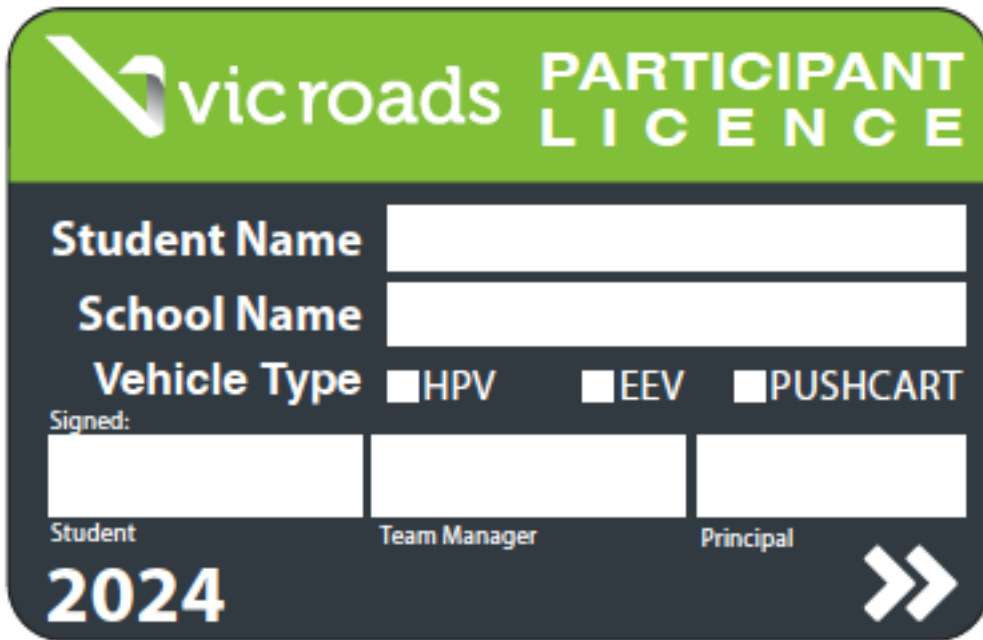
- Anytime prior to 11:00am: Track 1 and Jubilee Oval **open** for vehicle access.
HPV Secondary and TRYathlon Secondary teams: Pits Set-up ONLY.
- Anytime after 11:00am: Track 1 and Jubilee Oval **closed** for vehicle access.

SUNDAY:

- Anytime prior to 1:00pm: Track 1 and Jubilee Oval **closed** for vehicle access.
- Anytime after to 1:00pm: HPV Secondary and TRYathlon Secondary teams: Pits Pack-down.
Track 1 and Jubilee Oval **open** for vehicle access.

PARTICIPANT LICENCE

Prepare a Participant Licence for each of your students. Downloadable in PDF from <https://www.eb.org.au/team-managers-hub/>



The image shows a digital form for a VicRoads Participant Licence. The top section is green with the VicRoads logo and the text 'PARTICIPANT LICENCE'. Below this, there are several input fields: 'Student Name', 'School Name', and 'Vehicle Type'. The 'Vehicle Type' section includes three checkboxes: 'HPV', 'EEV', and 'PUSHCART'. Underneath, there is a 'Signed:' section with three boxes for 'Student', 'Team Manager', and 'Principal'. At the bottom left, the year '2024' is displayed, and at the bottom right, there is a double arrow icon.

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 for the Practical and Trial sessions.

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 you are experiencing difficulties with the marshal training online system, please email enquiries@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):
2. [written Corner Marshal documentation \(PDF\)](https://www.eb.org.au/download/11206/) – linked:
3. an online test (consisting of multiple-choice questions):

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

All Marshal Schedules will be available from 1st November throughout the event at: <https://schedule.eb.org.au/>

AT EVENT CHECK-IN & EB ADMIN HUB

The EB Admin Hub will be located at the Princes Park Grandstand (near Park Road).
The EB Admin Hub will be the 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 and marshal names,
- 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 wristbanding individual team members. Please check opening times.

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 Check-In 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 EB Admin Hub.

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.

ROAD SMART

INTERACTIVE

Free road safety incursion

Road Smart Interactive is a highly engaging road safety education program that visits Victorian secondary schools.

Developed by the TAC and delivered in partnership with Melbourne Museum, the program is designed for students in Years 9, 10, 11 and VCE Vocational Major.

Immersive and VR technology to engage students



Resources for schools and teachers to use before and after the visit



Capacity to cover multiple Year levels over several days



Our expert Road Smart Interactive teams bring all of the equipment and set up interactive displays within your school.



For free bookings, scan the QR code.

For more information, visit:
roadsafetyeducation.vic.gov.au



MELBOURNE
MUSEUM

ROAD SAFETY
EDUCATION
VICTORIA



OVERAL EVENT SCHEDULE

See online version at: <https://www.eb.org.au/schedule/>

Please note this schedule is subject to change.

Tuesday – 19 November 2024

Time	Activity	Who	Location
Prior to 1:00PM	Camp Sites Closed - No access to campsites prior to this time.	All teams	Camping Areas
1:00PM - Evening	Set-up Camp	Primary School Teams	Camping Areas
3:00PM - 6:00PM	Check-In Open	Primary School Teams	EB Admin Hub

Wednesday – 20 November 2024

Time	Activity	Who	Location
6:00AM - 5:00PM	Track 1 Access Open	All teams	Track 1
9:00AM - 12:00PM	Check-In Open	Primary School Teams	EB Admin Hub
9:00AM - 4:00PM	Display and Presentation, Scrutineering, Design & Construction	Transport Victoria HPV Primary & Try-athlon Primary	EB Central
1:00pm - 4:00pm	Obstacle Course Free Practice (Optional)	Pushcarts	Track 2
2:30pm - 3:30pm	Design & Construction, Scrutineering (Optional)	Pushcarts	EB Central
4:00PM – 4:30PM	Team Managers Meeting	Transport Victoria HPV Primary & Try-athlon Primary	Design & Construction Marquee, EB Central
5:00PM - 9:00PM	Track 1 Access Closed	All teams	Track 1
5:45PM – 6:00PM	Rider Briefing	Transport Victoria HPV Primary & Try-athlon Primary	Stage, Track 1
6:30PM - 8:30PM	Practice Session	HPV Primary & Try-athlon Primary	Track 1
9:00PM Wed – 8:00AM Thu	Track 1 Access Open	All teams	Track 1

Thursday – 21 November 2024

Time	Activity	Who	Location
8:00AM - 5:00PM	Track 1 Access Closed	All teams	Track 1
8:00AM - 9:00AM	Check-In Open	Pushcart Teams	EB Admin Hub
9:00AM – 6:00PM	Check-In Open	Secondary School teams	EB Admin Hub
8:00 AM - 9:00 AM	Grid Formation	Transport Victoria HPV Primary & Try-athlon Primary	Stafford Straight, Track 1
9:00AM - 5:00PM	Endurance Trial (Part 1 of 2)	Transport Victoria HPV Primary Primary	Track 1
9:00AM - 5:00PM	Endurance Trial	Tryathlon Primary	Track 1
10:30AM – 12:30PM	Obstacle	Pushcarts	Track 2
1:00PM – 2:00PM	Endurance	Pushcarts	Track 2
2:00PM – 3:00PM	Sprint	Pushcarts	Track 2
1:00PM - 4:00PM	Display and Presentation, Scrutineering, Design & Construction	TRYathlon Secondary	EB Central
4:00PM – 4:30PM	TRYathlon Team Managers Meeting	Try-athlon Secondary Team Managers	Design & Construction Marquee, EB Central
3:30PM	Awards Ceremony	Pushcarts	Stage, Track 2
4:00PM - 6:00PM	Check-In Open	Secondary HPV, EEV and Robotics	EB Admin Hub
5:30PM – 5:30AM Fri	Track 1 Access Open	All Teams	Track 1
6:30PM – 7:30PM	Show N Shine	Open to all teams	EB Central
From 7:30PM	Open Air Movie	Open to all teams	EB Central

Friday – 22 November 2024

Time	Activity	Who	Location
5:30AM - 1:00PM	Track 1 Access Closed	All teams	Track 1
6:00AM - 12:00PM	Trial (Part 2/2)	Transport Victoria HPV Primary	Track 1
8:00AM – 12:00PM	Check-In open	HPV Secondary, EEV & Robotics	EB Admin Hub
9:00AM - 5:00PM	Display and Presentation, Scrutineering, Design & Construction	HPV Secondary & EEV	EB Central
9:00AM - 12:00PM	Obstacle Rally	TRYathlon	Track 2
9:30AM - 4:00PM	Robotics – Sphero Global Challenge	Robotics	Maryborough Pipe Band Hall
1:00PM	Awards Ceremony	Transport Victoria HPV Primary	EB Central
1:00PM – 6:00PM	Track 1 Access Open	All teams	Track 1
AFTERNOON	Teams Pack Up and Depart	Primary School teams	Camping Areas
1:00PM - 4:00PM	Time Trial	TRYathlon	Track 2
4:30PM	Awards Ceremony - TRYathlon Primary teams	TRYathlon Primary teams	Stage, Track 2
5:00PM	Team Captains Meeting	HPV Secondary, EEV & Try-athlon Secondary Team Captains	Design & Construction Marquee, EB Central
5:30PM	Team Managers Meeting	HPV Secondary, EEV & Try-athlon Secondary Team Managers	Design & Construction Marquee, EB Central
6:00PM – 9:30PM	Track 1 Access Closed	All teams	Track 1
7:30PM - 9:30PM	Practice Session	HPV Secondary, EEV & Try-athlon Secondary	Track 1
9:30PM – 10:00AM Sat	Track 1 Access Open	All teams	Track 1

Saturday – 23 November 2024

Time	Activity	Who	Location
9:30PM Fri – 10:00AM Sat	Track 1 Access Open	All teams	Track 1
9:00AM	EEV Battery Briefing	EEV Teams	EEV Charging Container
10:00AM Sat – 12:30PM Sun	Track 1 Access Closed	All teams	Track 1
11:00AM - 12:00PM	Grid Formation	HPV Secondary, EEV teams & TRYathlon Secondary teams	Stafford Straight, Track 1
12:00 Saturday - 12:00 Sunday	Trial - 24 Hours	HPV Secondary & EEV teams	Track 1
12:00 Saturday - 8:00PM	Trial - 8 Hours	TRYathlon Secondary teams	Track 1
8:00 PM	Trial Finish	TRYathlon Secondary teams	Back straight, Track 1
8:30 PM	Awards Ceremony	TRYathlon Secondary teams	Skate Park BBQ Shelter
9:00PM	TRYathlon Teams manged safe track crossing	TRYathlon Secondary teams	Marshal Point #11

Sunday – 24 November 2024

Start Time	Activity	Category	Location/s
12:00PM	HPV Secondary and EEV Trial Concludes	HPV Secondary & EEV	Track 1
12:30PM	Track 1 Access Open	All teams	Track 1
1:00PM	HPV Secondary and EEV Presentations	HPV Secondary & EEV	EB Central
AFTERNOON	Teams Pack Up and Depart	HPV Secondary & EEV	



ENERGY BREAKTHROUGH SITE KEY

- | | | | | |
|---------------------|-----------------------|--------------------------|---|-------------------------|
| First Aid | Toilets | Parking Area | Pushcart Changeover Point | Scrutineering |
| Assembly Area | Showers | Restricted Parking Area | Trackside Marquee | Robotics |
| Camping Area | Accessible Toilet | Bus Drop Off | CEP Stage | Event Operations Centre |
| Food & Refreshments | Masseur | Road Closed | Display & Presentation | Exhibitors (EB Central) |
| BBQ Shelter | Wrist Banding Station | Gate (numbered) | Design & Construction / Junkyard Challenge / Team Managers Meetings | Pedestrian Bridge |
| Drinking Water | EEV Recharge Station | Marshal Point (numbered) | One way traffic only | Walking track only |
| Crockery Wash Bay | Parts and Repairs | Start/Finish | | |

Energy Breakthrough is a non-smoking event

BALLARAT/AVOCA →

Map not to scale.



CAMPER ENTRY VIA GATE 5

- Caravan Park
- Track 2 Camping (from G5 follow route to G1)
- Princes Park Oval (from G5 follow route to G1)

CAMPER ENTRY VIA GATE 4

- Jubilee Oval
- Tennis Bay Camping

GATE CLOSURES

- GATE 1**
 - Open all hours
- GATE 2**
 - Open all hours, no vehicles larger than 10 tonnes to enter this Gate
- GATE 3**
 - Closed to campers
- GATE 4**
 - Closed Wednesday 5.30pm – 8.30pm
 - Closed Thursday 8am – 5pm
 - Closed Friday 5.30am – 12noon
 - Closed Friday 6.30pm – 9.30pm
 - Closed Saturday 12pm – Sunday 12pm
- GATE 5**
 - Open all hours for Caravan Park entry and parking

Off site Emergency Assembly Area

FROM BALLARAT

FROM BENDIGO

FROM CASTLEMAINE