

NOV
20-23
2014

RACV



RACV

ENERGY

breakthrough

MARYBOROUGH
VICTORIA



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

A PARTNERSHIP BETWEEN

Disclaimer: Every attempt has been made to ensure that the information contained in this booklet accurately reflects the schedule for the RACV Energy Breakthrough. It is important that users of information in this booklet contact their relevant team leaders to confirm details. The RACV Energy Breakthrough Planning Committee take no responsibility for changes, errors or omissions.





MARYBOROUGH

things to see & do

Why not stay a few days and see the spectacular sights in and around Maryborough?

MARYBOROUGH Railway Station - This grand historical building is home to thousands of beautiful antiques and collectables along with a great cafe for a bite to eat.

MARY B Mini Golf - 18 hole mini golf, Lazer Tag Zap Zone, Jumping Castle, 35ft Drop Slide, 45ft Inflatable Obstacle Course, Party bookings plus much more

WALKING tour of historic buildings- touring majestic buildings, beautiful gardens and sporting grounds in Maryborough

CYCLE tracks - Explore the old gold towns and natural beauty of the region

ART Gallery - A contemporary gallery with changing exhibits.

SPORT & Leisure Centre - 25M indoor heated pool, toddler pool, spa and sauna, gymnasium, group fitness/ program room, cafe, and a 400m running track.

SKATE Park - grind rails, quarter pipe ramps and funboxes.

REDHOUSE Funhouse - Children's indoor play centre catering for ages 1 - 12. \$6 entry for all day while you sit and enjoy bakery café style foods & coffee.

GOLDFIELDS Reservoir - Enjoy a 1.5 km walk through a bush wonderland.

CHILDRENS Playground - Let the kids explore the new playground in front of the Railway Station. Swings, slides, climbing walls, plus other exciting play equipment will entertain for hours.

Don't forget to take some time out and experience some of our wonderful restaurants, cafes and shopping.



More information

For accommodation and travel information

1800 356 511 or visit www.visitmaryborough.com.au



MARYBOROUGH VICTORIA RACV ENERGY breakthrough

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

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

It requires a team effort and an across-the-curriculum approach. These groups then bring their vehicles and machines to Maryborough, Victoria in November, for a huge celebration in which they can demonstrate and trial them in action.

EVENT *Categories*

Human Powered Vehicles (HPV)

- 3 wheeled, recumbent vehicle
- Powered solely by human power
- Primary Students trial on Holden Track
- Secondary Students trial on RACV Track

Energy Efficient Vehicles (EEVs)

- Vehicles powered by a combination of at least two energy sources or all electric or all petrol vehicles
- 1 and 2 seat options
- 24 hour trial on the Holden track

Try-athlon

- HPVs tested in a time trial & obstacle course on RACV Track
- 8 hour trial on Holden Track

Pushcarts

- Based on the humble billy cart
- Powered solely by students
- Obstacle course, sprint relay, and endurance relay

Innovations in Technology

Challenge 1: Crafty Design

- A water craft operates under its own power
- Craft must carry a full soft drink can
- Travel the full length of a channel filled with water

Challenge 2: Junk Yard

Open to Primary Students only, this new challenge for 2012, will require teams to create a structure that will span a 1.5 m wide water channel within a set time and with a range of materials provided.

RACV EBIKE RIDE DAY

Test ride an electric bike (or eBike as they are more commonly referred) for free at RACV Energy Breakthrough. Find us near the Memorial Gates, Princes Park (Park Road entrance) on Saturday 22 November.

An eBike is a bicycle with an electric motor that provides power assistance when pedalling. They can be purchased from retailers or an ordinary bicycle may be converted using kits available online or from retail outlets.

RACV will be running eBike trials that depart every half hour. Experienced staff from eBike retailer Dolomiti will conduct the 20 minute tours. All people over the age of 18 who have valid identification will be able to participate, however be sure to sign up early on the day or via email publicpolicyadmin@racv.com.au as there are limited places per tour.

The advantages of eBikes are many - they can replace car trips, extend the distance that can be ridden, help people overcome terrain such as hills, improve physical fitness and assist people recovering from injuries.

Be sure to try an eBike at RACV Energy Breakthrough and test ride the advantages for yourself.



*Conditions apply. Offer only available to people over the age of 18 who have a valid form of identification. Helmets and hair nets will be supplied on the day.



THURSDAY

20th November

8 am	Pushcarts, HPV Class A and Try-athlon: Registration opens <i>location – Administration Centre</i>
8:30am – 5:30 pm	HPV Class A and Try-athlon: Scrutineering, Design & Construction, Display & Presentation <i>location – Display & Presentation Marquee & Scrutineering, Design & Construction Marquee</i>
11 am	HPV Class B, C & Open, and EEV: Registration Opens <i>location – Administration Centre</i>
5pm - 7 pm	Pushcarts: Scrutineering <i>location – Pushcart Marquee</i>
6 pm	HPV Class A: Rider Briefing <i>location – near Holden Stage</i>
6pm - 6:30 pm	Try-athlon: Team Managers, Time keepers & Observers Meeting <i>location - Near Administration Centre</i>
6:30 pm – 8:30 pm	HPV Class A: Practice <i>location – Holden Track</i>
8:30 pm	Open Air Movie: <i>location - Presentation Stage</i>

THURSDAY

ENERGY EXPO

FRIDAY 21ST - SATURDAY 22ND NOVEMBER
10AM - 6PM

The expo this year will again focus it's energies providing the competitors and spectators a chance to explore and experience the latest trends in green energy, sustainable transport and physical activity.



OPEN AIR MOVIE NIGHT - THURSDAY 20th NOVEMBER

A free Open Air Movie will be screened at the Presentation Stage at 8:30pm. Bring your own chair or blanket to sit on the grass. Chill out and enjoy the viewing.



FRIDAY

21st November

8 am - 6 pm	HPV Class B, C, Open: Design & Construction, Scrutineering, Display & Presentation <i>location - above mentioned marquees</i>
8 am - 6 pm	EEV: Design & Construction, Scrutineering, Display & Presentation <i>location - Holden Track</i>
8:30 am	Pushcarts: Compulsory Meeting of Team Manager & Captain <i>location - Pushcart Marquee</i>
9 am - 4 pm	Try-athlon: Time Trials <i>location - RACV Track - back straight</i>
9 am - 4 pm	Try-athlon: Obstacle <i>location - near RACV stage</i>
9:30 am - 2:30 pm	Pushcarts: Display & Presentation & Obstacle Event <i>location - Pushcart Marquee</i>
10 am - 6 pm	Energy Expo: <i>location - Energy Expo</i>
11 am	HPV Class A: Team Managers' Briefing <i>location - Holden Stage</i>
12 noon	HPV Class A: Trial Start <i>location - Holden Track</i>
3 pm - 4 pm	Pushcarts: Design & Construction <i>location - Pushcart Marquee</i>
5 pm - 6:30 pm	Pushcarts: Endurance Event <i>location - RACV Track</i>
6:30 pm	HPV Class B, C & Open: Team Managers Briefing <i>location - Jubilee Oval Pavilion</i>
6:30 pm	Tryathlon & EEV: Team Managers Briefing <i>location - near Holden Bridge</i>
7:30 pm - 9:30 pm	HPV Class B, C & Open: Night Practice <i>location - RACV Track</i>
9 pm	HPV Class A: Compulsory Break <i>location - Holden Track</i>
9:30 - 11:00 pm	EEV & Try-athlon: Night Practice <i>location - Holden Track</i>

FRIDAY

FREE

RACV

ACTIVITIES

Saturday 22 November 9am – 5pm

Plant seedlings
with Greening
Australia

Experience the
SafeWheels vehicle
technology safety
interactive display

Create a
masterpiece at the
Paintpot People
workshop

See TV
gardener Vasili's
demonstrations
and be delighted by
his famous music
making

Try out the rock
climbing wall

Grab your collectable
swap-card from
The Connies

Visit RACV Heritage, celebrating 100 years of tourism and travel and go in the draw to win prizes

AND MORE ...



SATURDAY

22nd November

6 am	HPV Class A: Trial restart <i>location - Holden Track</i>
9 am	Pushcarts: Design and Construction <i>location - Pushcart Marquee</i>
9 am - 5 pm	RACV Free Activities: <i>location - RACV Marquee</i>
9 am - 3:30 pm	Innovations in Technology: Crafty Design Display & Presentation, Performance Test <i>location - near Central Highlands Water Marquee</i>
10 am - 6 pm	Energy Expo: <i>location - Energy Expo</i>
11 am	HPV A: Trial Finish <i>location - Holden Track</i>
11 am	Pushcarts: Sprint Event <i>location - RACV Track</i>
1 pm	EEV: Start of 24-hour Trial <i>location - Holden Track</i>
1 pm - 9 pm	Try-athlon: Start Endurance – 8 hours <i>location - Holden Track</i>
1:30 pm	HPV Class B, C & Open: Start of 24-hour Trial <i>location - RACV Track</i>
2 pm	Pushcarts: Design and Construction <i>location - Pushcart Marquee</i>
2 pm	Innovations in Technology: Sail off - Crafty Design Performance Test <i>location - near Central Highlands Water Marquee</i>
4:30 pm	Primary School Presentations Innovations in Technology, Pushcarts, HPV Class A <i>location - Presentation stage</i>
9 pm	Try-athlon: Finish Endurance Trial <i>location - Holden Track</i>
10:30 pm	Try-athlon: Presentations <i>location - Holden Stage</i>

SATURDAY

HOLDEN COMMODORE

DRIVE
even more
RESPONSIBLY



Holden's V6 Commodore range, including Ute and Sportwagon, runs on E85. With 85% ethanol it's better for the environment, and your car's performance. We're committed to moving towards a more sustainable future, without slowing down.

Find out more at holden.com.au/ethanol

THINK  HOLDEN

SUNDAY

23rd November

1 pm **EEV:** Finish of 24 hour Trial
location – Holden Track

1.30 pm **HPV Class B, C & Open:** Finish of 24 hour Trial
location – RACV Track

1.45 pm **Secondary school presentations**
HPV Class B, C & Open, and EEV
presentation of trophies
location – Presentation stage



SUNDAY

120

HOURS SUPERVISED DRIVING PRACTICE



INNOVATIONS

CRAFTY DESIGN

- 1 Bairnsdale P.S **The Water Bears**
- 2 Carisbrook P.S **Dedicated Damselflies**
- 3 Carisbrook P.S **Carisbrook Flyers**
- 4 Carisbrook P.S **Super Nymphs**
- 5 Carisbrook P.S **Redback 5**
- 6 Carisbrook P.S **Wacky Water Scorpions**
- 7 Eaglehawk North PS
Whipstick Water Watchers - ENPS
- 8 Eaglehawk North PS
Whipstick Water Warriors - ENPS
- 9 Glendal P.S **Glendal Water Spiders**
- 10 Glendal P.S **Glendal Speedie Crayfish**
- 11 Glendal P.S **Glendal Dragonflies**
- 12 Glendal P.S
Glendal Damselfly Speed Eaters
- 13 Glendal P.S **Glendal Mayflies**
- 14 Glendal P.S **Glendal Stoneflies**
- 15 Glendal P.S **Glendal Strider Strikers**
- 16 Maryborough Education Centre
Marvellous Mayfly Nymph
- 17 Maryborough Education Centre
Whippy Windy Water Spider
- 18 Maryborough Education Centre
Zippy Zappy Water Scorpion
- 19 Maryborough Education Centre
Wispy Wild Water Boatman
- 20 St Joseph's P.S **Rocky Jets**
- 21 St Michael and John's P.S **Sreature Team**
- 22 Strathfieldsaye P.S **Strath Macro**
- 23 Strathfieldsaye P.S **Strath Speed**
- 24 Yarrawonga College P-12 Primary
Campus **Yarrawonga Sea Snails**

- 25 Yarrawonga College P-12 Primary
Campus **Yarrawonga Dragonflies**
- 26 Ballarat Specialist School
LEAP Titanic 2
- 27 Marist Sisters College Woolwich
Design Sisters
- 28 Marist Sisters College Woolwich
Sisters of Design

JUNKYARD CHALLENGE

- 29 Redesdale Mia Mia P.S
Redesdale Mia Mia 1
- 30 Redesdale Mia Mia P.S
Redesdale Mia Mia 2
- 31 St Augustine's Maryborough **Kildare A**
- 32 St Augustine's Maryborough **Kildare B**
- 33 St Michael and John's P.S **Junk yard 1**
- 34 St Michael and John's P.S **Junk yard 2**
- 35 Marist Sisters College Woolwich
Marist Sisters

Drive in all conditions
e.g. in rain, hail, sunshine,
day, night, quiet roads,
busy roads, country
and city.

All learner drivers under the age of 21 are required to complete 120 hours of supervised driving.

The more practice you get, the safer you'll be driving solo.

Stage your practice out over time, don't rush it.

For further information, tips and advice on staging your 120 hours, check out your Learner Kit.



COUNTRY EDUCATION PROJECT

The concept of the Energy Breakthrough was developed by the Country Education Project (CEP Inc) in partnership with a number of rural schools in 1991. The focus of the initiative was to involve young people in the development of hands-on programs that focus on science, maths, environment and technology and provided access to young people in rural Victoria. CEP Inc remains a key partner in the RACV Energy Breakthrough. CEP Inc has continued to promote the "breakthrough" as a valuable, student centred and real life approach to supporting young peoples involvement in these vital learning areas. Through the development of partnerships with RACV, Central Goldfields Shire and many other organisations, it has ensured that the event continues to be a central event within the education calendar of Victoria. CEP Inc has also worked with clusters of schools, universities and communities in developing a range of educational resources, workshops and professional development activities to further enhance the development of learning opportunities that are generated through the energy breakthrough.

Department of Education and Early Childhood Development

The Department of Education and Early Childhood Development is pleased to be supporting the 2014 RACV Energy Breakthrough, which offers students real-life challenges in science, technology and environmental education. The Department places an emphasis on fostering partnerships-with parents and families, and with local communities and businesses. This event is a great way to bring together schools and the community. It provides exciting opportunities for students, teachers, parents, local industry and other groups to work together. The RACV Energy Breakthrough, which raises awareness about global warming and sustainable alternatives, is one of the many projects that the Department supports as part of the Victorian Government's ongoing commitment to energy conservation.



HPV A

Section ONE

2	Buchan P.S	Buchan Boltz	15	Carisbrook P.S	Redback Junior
10	Talbot P.S	Gold Rush	16	Carisbrook P.S	Redback Mercury
17	Avoca P.S	Avoca	18	Kororoit Creek	Creepers
21	Elphinstone P.S	Magic Pud	19	White Hills P.S	EcoRush
25	St Michael's P.S	Heyfield Hurricane	20	White Hills P.S	Verlocity
26	Diamond Creek Primary	Spirit of diamond creek	22	Mornington P.S	HPV1
27	Garfield P.S	Garfield Flyers Dream Team	23	Mornington P.S	HPV2
28	Garfield P.S	Garfield Flyers Stars	24	Lyndhurst P.S	Lyndhurst Primary
31	Caledonian P.S	Plinius	29	Clunes P.S	Team Smash
32	Caledonian P.S	Pandora	30	Canadian Lead P.S	Canadian Lead Thunder
53	Yuille Park Community College	Gekko	34	Frankston P.S	Overtaker
41	Gembrook P.S	Gembrook 1	35	Berwick P.S	BerwickPS1
42	Gembrook P.S	Gembrook 2	36	Berwick P.S	BerwickPS2
58	Lockwood P.S	GELTEK	37	Glendal P.S	Glendal PS 1
59	Lockwood P.S	WICKED WINGS	38	Glendal P.S	Glendal PS 2
64	St Mary's P.S	Sminglewood	39	Seymour College	Gecko 3

Section TWO

1	Bairnsdale P.S	Bairnsdale P.S	44	Lloyd Street P.S	Knight Rider
3	Lucknow P.S	Lucknow Lightning	45	Kingswood P.S	kingwood 2
4	Maryborough Education Centre	MEC HPV 1	46	Kingswood P.S	kingwood 1
5	Maryborough Education Centre	MEC HPV 2	47	Strathfieldsaye	Strath 1
6	Jells Park P.S	Shazzam	48	Kilberry Valley PS	KPOW
7	Jells Park P.S	Insane Boltz	49	Beaconsfield P.S	Hulk
8	Holy Trinity Lutheran School	Horsham Hurricane	50	Tootgarook P.S	Frog
9	Holy Trinity Lutheran School	Trinity Thunder	51	Tootgarook P.S	Taipan
11	Morwell Park P.S	Katchmi Jnr	52	Our Lady Help of Christians P.S	Brunswick Roar
12	Morwell Park P.S	Katchmi Too	53	Maiden Gully P.S	Ziptar
13	Haileybury College	Haileys Comet	54	Maiden Gully P.S	Miss Janey
14	Haileybury College	Haileybury Hailstorm Newlands	55	Kennington P.S	Kennington Green
			56	Kennington P.S	Kennington Gold
			57	Spring Gully P.S	Spring Gully 1
			60	Tooradin P.S	The Red Rocket
			61	Tooradin P.S	The Flamin' Mozzies
			62	St Therese's P.S	Eco Racer 3
			63	St Therese's P.S	

SITE Map

- toilets
- disabled toilets
- showers
- start/finish
- pedestrian overpass
- parking
- Emergency assembly area
- RACV & Greenspeed Repair Container
- Holden Repair Container
- food
- first aid
- camping
- marquees in grassed area
- track direction
- Results

WASTEWISE
A SUSTAINABILITY VICTORIA PROGRAM

RACV
ENERGY
breakthrough



proudly printed by Centre State Printing

SITE MAP

100%
customer
owned

bankmecu
responsible banking™

Sustainable banking choices.

Our products are designed to give you the features and flexibility to achieve your financial goals and live more sustainably.

bankmecu is proud to support the 2014 RACV Energy Breakthrough in Maryborough.



Find out more at bankmecu.com.au/sustainablechoices



Call us on **132 888**



bankmecu.com.au/central



Visit our Maryborough service centre at 186 High Street

mecu Limited ABN 21 087 651 607 AFSL/Australian Credit License Number 238431 trading as **bankmecu**. Consider terms and conditions from **bankmecu** before deciding whether to apply.

HPV A *continued*

- | | | |
|--|------------------------|--------------|
| 65 The Peninsula School- Junior School | D.B Clarke | Mistral |
| 66 Korumburra P.S | BURRA BURN (A) | |
| 67 Korumburra P.S | BURRA BLAZE (B) | |
| 68 Rowellyn Park P.S | Wolverine | |
| 69 Rowellyn Park P.S | Green Lantern | |
| 70 Frankston Heights P.S | | |
| | Hurricane heights 1 | |
| 71 Frankston Heights P.S | | |
| | Hurricane heights 2 | |
| 72 Derinya P.S | | Lunatikz |
| 73 Derinya P.S | | Sparkz |
| 74 Niddrie P.S | | Lightning |
| 75 Niddrie P.S | | Thunder |
| 76 Leongatha P.S | | Bullet Proof |
| 77 Leongatha P.S | | Coyote |
| 78 Laurimar P.S | Laurimar Phoenix | |
| 79 Laurimar P.S | Laurimar Griffins | |
| 80 Willmott Park P.S | | |
| | Willmott Park Warriors | |
| 81 Willmott Park P.S | | |
| | Willmott Park Wizards | |
| 82 St Augustine's Maryborough | Kildare 5 | |
| 83 St Augustine's Maryborough | Kildare 6 | |

- | | | |
|---------------------------------|-------------------------------------|----------|
| 84 Eaglehawk North PS | | |
| | Eaglehawk Nth PS Whipstick Warriors | |
| 372 Derinya P.S | | Kamikaze |
| 313 Haileybury College | Haileybury Hornets | |
| 378 Laurimar P.S | Laurimar Dragons | |
| 343 Lloyd Street Primary School | BOLT | |
| 339 Seymour College | Gecko 2 | |
| 362 St Therese's P.S | Eco Racer 2 | |
| 350 Tootgarook P.S | Tootstar | |



team names : HPV A

2013



RACV ENERGY BREAKTHROUGH WINNERS

Special Awards

Energy Breakthrough Hall of Fame
Inaugural Inductee: **Mr Norm Rasmussen**

Primary Special Awards

Best Display & Presentation (Primary)
In Memory of Ian 'ROGO' Rogerson
Carisbrook Primary – Redback Mercury
RACV Best Design and Construction
(Safety Award)

Morwell Park P.S – Katchmi Too
Holden Encouragement Award (Primary)
Spring Gully PS Jells Park PS
Judy Parker – Best First Year School
St Mary's P.S, Inglewood

Secondary Special Awards

RACV "Safety Award"
Unity College – Steeple Chase
Best Display & Presentation (Secondary)
In Memory of Ian 'ROGO' Rogerson
Kingswood College – Evo
Austin 7 Club "Best Innovation"
Chairo Christian School – Team 16

Innovations In Technology

sponsored by **Central Highland Water**
Central Highlands Water Award
Team 1 – Bairnsdale PS
Trish Walsh Encouragement Award
Team 18 – Maryborough Education Centre
Challenge 1: Crafty Design
Primary Runner Up:
Team 14 – Glendal P.S
Winner:
Team 13 – Glendal P.S
Junkyard Challenge Winner:
Strathfieldsaye P.S –
Construction Junkyard Challenge

Pushcarts

Pushcarts Section 1
Team 8 – St Joseph's PS
Pushcarts Section 2
Team 39 – Ss Michael and John's PS

Human Powered Vehicles Primary

Human Powered Vehicles – A Class –
Section 1

"Bruce Reiffel Award"

Team 16 – Avoca PS

Human Powered Vehicles – A Class –
Section 2

The Overtaker – Frankston PS

Try-athlon

Try-athlon Class A (Primary)
Shooting Star – St Margaret's School
Try-athlon Class B/C
Fire Breathing Rubber Duckies – EDEC
Try-athlon Class – Open
Cranky Birds – St Martins Lutheran

Energy Efficient Vehicles (EEVs)

Section 1 B/C
Ferris Fueller – Toorak College
Hybrid – Section 1 OPEN
Rode Rage
Hybrid – Section 2
Blue Thunder – Cobden Technical School
EEV Electric
Batmobile – Chairo Christian School
EEV Petrol
Inception – Girton Grammar

Human Powered Vehicles – Secondary

All Female
Ceto – St Margaret's School and Berwick Grammar School
Class B1
Velocity – Creek Street Christian College
Class B2
Aerotek – Creek Street Christian College
Class C
Stampede – Maryborough Education Centre
HPV Open
Joint Winners: EVO – Kingswood College
AND Zeus – St Margaret's School and Berwick Grammar School



HPV FEMALE B/C

7 Warracknabeal Secondary College

WSC2
Ceto

15 St Margarets School and
Berwick Grammar School

Scorpius

17 St Margarets School and
Berwick Grammar School

30 Killester College

WILDFIRE

81 Kurnai College - Morwell Campus

FERGALICIOUS
WILDFIRE

89 Killester College



HPV B

Section ONE

1 Eaglehawk Secondary College

Son of Brenno

10 Maryborough Education Centre **MEC 1**

12 Carey Baptist Grammar **shapeshifter**

16 St Margarets School and Berwick Grammar School **Taurus**

20 Catholic College Bendigo **CCB 1**

37 Terang College **Just Roll With It**

39 Girton Grammar School **Infusion**

40 Girton Grammar School **Introuble**

43 Dromana Secondary College **Dromana 1**

49 Victory Christian College **Zoniac**

58 Donald High School **Rubber Duckie**

61 Lakeside College **Lakeside Rockets**

71 Drouin Secondary College **Cat in the hat**

77 Mornington Secondary College **MSC 1**

323 Highview College

HIGHVIEW COLLEGE 3
Electric Feel

331 Woodleigh

Section TWO

2 Eaglehawk Secondary College **Care Factor**

3 Kalianna Special School **Kskittles**

8 Bacchus Marsh College **BMC Racing B**

11 Maryborough Education Centre **MEC 2**

13 Ballarat High school **high flyer**

21 Catholic College Bendigo **CCB 2**

28 Padua College **Surge**

31 Woodleigh **Dangerzone**

33 Bendigo South East College **Night Fury**

36 James Sheahan Catholic High School **Goldrush**

41 Rochester Secondary College **two**

44 Dromana Secondary College **Dromana 2**

45 Carrum Downs Secondary College **Manhasset**

46 Carrum Downs Secondary College **Zero to Hero**

team names : HPV FEMALE & HPV B

RACV Future Mobility Schools Education Program



RACV has a wonderful partnership with CERES Community Environment Park that is benefiting Victorians – it's called the Energy Smart Choices – Educating Schools and Communities program.

CERES is also working with RACV's Environmental Programs team this year to develop and deliver an innovative and engaging 'RACV Future Mobility Schools Education Program'.

Focusing on the topics of sustainable motoring and transport, the program will be premiered at this year's RACV Energy Breakthrough and will help students learn more about:

- the impacts of motoring and transportation and how to overcome the negative environmental impacts
- the health, environmental and practical issues of our transport system
- how to adopt new behaviours and attitudes towards motoring and transportation
- a global snapshot of sustainable transport and emerging transport technologies
- "zero" emission electric cars and bikes, pros and cons, history, issues, myths and misconceptions
- non-fossil fuelled alternatives to car travel for short journeys

Find out more by visiting us at the RACV
Energy Expo on Saturday 22 November



HPV B *continued*

50 Victory Christian College	Gaffa
55 Caulfield Grammar School	Something New
57 Creek Street Christian College	Apex
59 Donald High School	Paikman
60 Chaffey Secondary College	Donkey Kong
63 Unity College	Steeple Chase
64 Good News Lutheran College	#InASpin
65 Good News Lutheran College	#OnARoll
67 Crusoe College	Slippery Suzzie
69 Bairnsdale Secondary College	Bairnsdale Barbarians
70 Bairnsdale Secondary College	Hurricane Rush
72 Drouin Secondary College	The Lorax
73 Maffra Secondary College	MSC1
74 Maffra Secondary College	MSC2
75 St Arnaud Secondary College	Flamin Centipedes
80 Western Port Secondary College	Skippy
82 Kurnai College - Morwell Campus	TORMINATOR
83 Kooweerup Secondary College	Luigi the bandicoot
90 Ouyen P-12 College	Cyclepaths
369 Bairnsdale Secondary College	Minion Rush
343 Dromana Secondary College	Dromana 3
371 Drouin Secondary College	Horton
301 Eaglehawk Secondary College	Parkie
339 Girton Grammar School	Intrepid

HPV C

5 Good Shepherd College	Good Shepherd College
14 Ballarat High school	southern spirit
22 Damascus College	Damascus hpv
23 Highview College	HIGHVIEW COLLEGE 2
34 Bendigo Senior Secondary College	tba
38 Terang College	In With A Chance
56 Caulfield Grammar School	Something Else
76 St Arnaud Secondary College	Gowen Geter
79 Wonthaggi S.C.	Senior Wizard
85 Notre Dame College	Runnin Too
91 Mount Eliza Secondary College	Unexpeted
92 Mount Eliza Secondary College	Pipe Dream
320 Catholic College Bendigo	FRANK
310 Maryborough Education Centre	STAMPEDE





MARYBOROUGH GOLF CLUB

Congratulations to all participants in this years
RACV ENERGY BREAKTHROUGH

We would like to invite you to dine with us

Open 7 Days

LUNCH 12noon - 2.00pm

DINNER 6.00pm - 8.00pm

SPECIALS BOARD SELECTIONS

FROM \$10

(no further discounts apply)

FULL BISTRO MENU AVAILABLE

Bring this ad with you and receive

Members Discount Prices

On bistro menu selections and drinks

Park Rd, Maryborough **Ph** 54604900 **Fax** 5460 5230
mgolf@netconnect.com.au www.maryboroughgolfclub.com.au

HPV Open



- 4 Kalianna Special School **Silver Streak**
- 6 Warracknabeal Secondary College **WSC1**
- 9 Bacchus Marsh College **BMC Racing O**
- 18 St Margarets School and Berwick Grammar School **PerZeus**
- 24 Highview College **HIGHVIEW COLLEGE 1**
- 25 Kyabram P-12 College **Ky Bandits**
- 26 Kingswood College **EVO**
- 27 Heywood and District Secondary College **heywood highjinks**
- 29 Padua College **Sneaky**
- 32 Woodleigh **TBA**
- 35 Bendigo Senior Secondary College **tba**
- 42 Rochester Secondary College **one**
- 62 Lakeside College **The Lakeside Arachnids**
- 66 Nathalia Secondary College **Purple Haze**
- 68 Crusoe College **RONALD**
- 78 Mornington Secondary College **Sidewinder 2**
- 84 Kooweerup Secondary College **flippers**
- 86 Notre Dame College **Runnin Bare**
- 93 North Geelong Secondary College **Lightning**
- 355 Caulfield Grammar School **BYO**
- 358 Donald High School **Cashman**
- 381 Kurnai College - Precinct Campus **DARK SECRET**
- 373 Maffra Secondary College **MSC3**
- 391 Mount Eliza Secondary College **tba**
- 375 St Arnaud Secondary College **911 You will need it**
- 518 St Margarets School and Berwick Grammar School **Zeus**

Try-Athlon coles

- 105 Maryborough Education Centre **MEC 4**
- 107 Toorak College **Cool Your Jets**
- 108 Toorak College **Ladies First**
- 114 Rode RAGE **Marlin**
- 115 St Patrick's P.S. **Mighty Minions**
- 118 Ballarat Christian College **Gill-South Star Warriors**
- 129 Overnewton Anglican Community College **OACC TRI OPEN**
- 132 Invermay P.S. **Invermay P.S T-Birds**
- 134 Yuille Park Community College **Rusty**
- 140 Seymour College **Ravenclaw**
- 141 Rossbourne School **Rossbourne 1**
- 142 Rossbourne School **Rossbourne 2**
- 143 Rossbourne School **Rossbourne 3**
- 144 East Loddon P-12 College **Avengers**
- 145 St Martins Lutheran College **Golden Bathtub**
- 146 St Martins Lutheran College **Copperhead**
- 147 St Martins Lutheran College **Angry Birds**
- 148 EDEC HPV TEAM **GREMLINS**
- 149 EDEC HPV TEAM **FIRE BREATHING RUBBER DUCKIES**
- 150 Emerald P.S. **Emerald 1 The Joker**
- 151 Emerald P.S. **Emerald 2 Knight Rider**
- 152 Emerald P.S. **Emerald 3 Time Benders**
- 153 Beaconsfield P.S. **Ironman**
- 154 Beaconsfield P.S. **Storm**
- 155 Beaconsfield P.S. **Catwoman**
- 156 Stratford P.S. **Shakespearian Shuttle**
- 157 Yarrowonga College P-12 Primary Campus **Yarrowonga Mighty Cods**
- 158 Waverly Christian College **Waverly Warriors**

team names : HPV OPEN, TRY-ATHLON

coles

Try-Athlon *continued*

- 160 Beaconsfield Upper P.S **Bam**
- 161 Beaconsfield Upper P.S **BIFF**
- 162 New Gisborne Primary **Acceler8ors**
- 163 Dingley P.S **Dingley Sonics**
- 164 Dingley P.S **Dingley Speed Racers**
- 165 Bendigo South East College **Clarence**
- 166 Bendigo South East College **Buzzard**
- 167 Cockatoo P.S **Team Sizzle**
- 168 Cockatoo P.S **Team Frizzle**
- 169 Flemington P.S **Flemington 1**
- 170 Flemington P.S **Flemington 2**
- 171 Briagolong P.S **Briagolong A**
- 172 Briagolong P.S **Briag(Blue)Bullets**
- 173 Chisholm Institute of Tafe **Berwick Chisholm**
- 174 North Geelong Secondary College **Storm**
- 175 Quarry Hill P.S **Quarry Hill Rangers**
- 176 Rochester Secondary College **Challenge Accepted**
- 177 St Paul's AGS (Warragul) **Jaffa**
- 178 St Margarets School and Berwick Grammar School **Shooting Star**
- 179 St Margarets School and Berwick Grammar School **Cosmic Rocket**
- 180 Tyabb P.S **Tyabb 1**
- 181 Tyabb P.S **Tyabb 2**
- 182 Wedderburn College **Wedderburn Contagious**
- 183 Wangaratta High School **Ace of Spades**
- 184 Wangaratta High School **RamRod**
- 326 Overnewton Anglican Community College **OACC TRI BC**
- 333 Yuille Park Community College **Rusty 2**
- 338 Seymour College **Hufflepuff**

ENERGY EFFICIENT VEHICLES




- 1 Chairo Christian School **KAOS**
- 2 Chairo Christian School **BATmobile**
- 3 Kolbe Catholic College **Kolbe College**
- 4 Maryborough Education Centre **BLACK MAGIC**
- 6 Toorak College **Ferris Fueller**
- 9 Holy Trinity Lutheran School **Tsunami**
- 10 Cobden Technical School **cobden 3**
- 11 Cobden Technical School **cobden 1**
- 12 Cobden Technical School **cobden 2**
- 13 Rode RAGE **Nemo**
- 16 Ballarat Christian College **South Star Warriors**
- 17 Ballarat Christian College **South Star Warriors**
- 19 Ballarat Grammar **The Lead Sled IV**
- 20 Ballarat Grammar **The Long Shot**
- 21 Girton Grammar School **Inception**
- 22 Marist Sisters Collage Woolwich **Marist- WoW**
- 23 Marist Sisters Collage Woolwich **Marist-Wii**
- 24 Damascus College **Damascus hybrid**
- 25 Damascus College **Damascus eev**
- 26 Overnewton Anglican Community College **OACC HYBRID A**
- 27 Overnewton Anglican Community College **OACC HYBRID B**
- 28 Overnewton Anglican Community College **OACC EEV**
- 30 Trinity Grammar School **Omega**
- 31 Trinity Grammar School **Alpha**
- 33 Yuille Park Community Collage **Rolling Thunder**
- 35 Mater Christi College **Pink Lightning**
- 36 Mater Christi College **Pink Spark**
- 37 Bendigo Senior Secondary College **tba**
- 38 Seymour College **Intermediate**
- 39 Seymour College **Senior**

PUSHCARTS


- 1 Avoca P.S **Avoca P.S.**
- 2 Buxton P.S **Buxton Bullets**
- 3 Candlebark **Solar Flares**
- 4 East Loddon P-12 College **Blitz Push Cart**
- 5 Kerang P.S **Team Kerang**
- 6 Lockington Consolidated School **Locky Leprechauns**
- 7 Lockington Consolidated School **Locky Drift**
- 8 Nanneella Estate P.S **Nanneella Estate P.S**
- 9 Nanneella Estate P.S **Nitro N.E.P.S.**
- 10 Nathalia P.S **Purple Punks**
- 11 Natte/Amphi P.Ss **Ford Tease**
- 12 Ouyen P-12 College **Demon Dominators**
- 13 Ouyen P-12 College **Mallee Road Runners**
- 14 Shelford P.S **Team Shelford**
- 15 St Joseph's P.S **Rochy Jets**
- 16 St Mary's Warracknabeal **SMPS Warracknabeal**
- 17 Stawell West P.S **Graffiti**
- 18 Stawell West P.S **Skittles**
- 19 Tallarook P.S **Tallarook Turbos**
- 20 Welton P.S **Welton**
- 21 Allansford and District P.S **Allansford**
- 22 Bairnsdale P.S **754 All Stars**
- 23 Ballarat Christian College **Jacques - South Star Warriors**
- 24 Beaconsfield Upper P.S **BANG**
- 25 Bonbeach P.S **Bonbeach P.S**
- 26 Carey Baptist Grammar School **Turbo Team**
- 27 Eaglehawk North PS **HULK - ENPS**
- 28 Epping P.S **Woogabooshi 1**
- 29 Epping P.S **Woogabooshi 2**
- 30 Jells Park P.S **Lightning**
- 31 Jells Park P.S **Thunder**
- 32 Kilberry Valley PS **Kilberry Runners**
- 33 Kingsley Park P.S **Da-Bombz**
- 34 Kingsley Park P.S **Flaming Fire Crackers**
- 35 Korumburra P.S **BURRA BLITZ (A)**
- 36 Lloyd Street P.S **7**
- 37 Lucknow P.S **Lucknow Lightning**
- 38 Maryborough Education Centre **Daffy**
- 39 Maryborough Education Centre **Bugs**
- 40 Mornington P.S **Motorv8ers**
- 41 Mornington P.S **Keep up!**
- 42 New Gisborne Primary **Snow Pros**
- 43 Overport P.S **Overport**
- 44 Riddells Creek PS **BlueBird**
- 45 Riddells Creek PS **ThunderBolt**
- 46 Rowellyn Park P.S **Rolling Rockets**
- 47 Rowellyn Park P.S **Wheelzzz**
- 48 Spring Gully P.S **Spring Gully 2**
- 49 Spring Gully P.S **Spring Gully 3**
- 50 St Augustine's Maryborough **Kildare Evolution**
- 51 St Augustine's Maryborough **Kildare Jets**
- 52 St Michael and John's P.S **Mighty Saints 1**
- 53 St Michael and John's P.S **Mighty Saints 2**
- 54 St Patrick's P.S **St Pat's Marvellous Minions**
- 55 St Therese's P.S **Cart-a-fury**
- 56 Strathfieldsaye **Strath**
- 57 Tooradin P.S **The Mozzie Bites**
- 58 Tootgarook P.S **Flying Frogs**
- 59 Tootgarook P.S **Tootgarook Croakers**
- 60 Warracknabeal P.S **Blue and Gold**
- 61 White Hills P.S **Scorpions**
- 62 Yarrawonga College P-12 Primary Campus **Yarrawonga Trout Cods**

RACV Energy Breakthrough Site

 Central Goldfields Visitor Information Centre
Library, public computer access, community
information & public toilets.

 Maryborough Swimming Pools


 Police Station

 Hospital 5461 0333
Dr on Call 5461 0310


 PHILLIPS GARDENS - Great Picnic area

 Town Transit Bus Service

 Central Goldfields Art Gallery

 Maryborough Sport & Leisure Centre
- gym, pool, spa, sauna ph: 03 5461 4300

 Worsley Cottage Museum
- a historical museum
open 10am-12pm Thursday
2-4pm Sunday
ph: 03 5461 2800

 Railway Station - cafe, antique
emporium, wine bar and woodwork gallery.

 Laundromats

 Public Phones

 Public Toilets

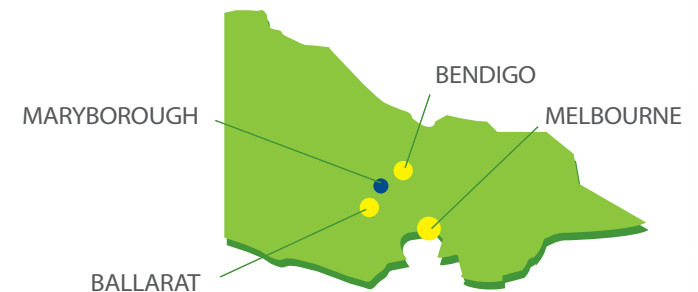
 ATM's

 coles Supermarket

Visitor Information

is available 7 days a week
9 am - 5 pm at the
Visitor Information Centre
Corner of Alma & Nolan Streets,
Phone 1800 356 511

www.visitmaryborough.com.au





BUS SERVICE

For ease and convenience, use this service to get out and about during the RACV Energy Breakthrough.

The service operates Wednesday, Thursday, Friday and Saturday, departing from the corner of Clarendon and Nightingale Street, incorporating the CBD, local eateries and the Visitor Information Centre.

Hours of Operation:

9.00am – 3.00pm (Wed, Thurs, Fri), 9.00am – 1.00pm (Saturday)

Cost: Adults: \$2 Concession: \$1 Under 16: \$1 Under 6: Free

1 Napier St Terminus

Departs	9:13	10:13	11:13	12:13	1:13	2:13
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2 Hospital

Departs	9:15	10:15	11:15	12:15	1:15	2:15
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3 Cnr of Clarendon & Nightingale Street

Departs	9:15	10:15	11:15	12:15	1:15	2:15
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4 Havilah Hostel

Departs	9:18	10:18	11:18	12:18	1:18	2:18
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5 Whirrakee Rise

Departs	9:20	10:20	11:20	12:20	1:20	2:20
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6 Motel (inbound)

Departs	9:22	10:22	11:22	12:22	1:22	2:22
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7 Elderly Persons Unit Gladstone St

Departs	9:24	10:24	11:24	12:24	1:24	2:24
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8 Inkerman Street

Departs	9:28	10:28	11:28	12:28	1:28	2:28
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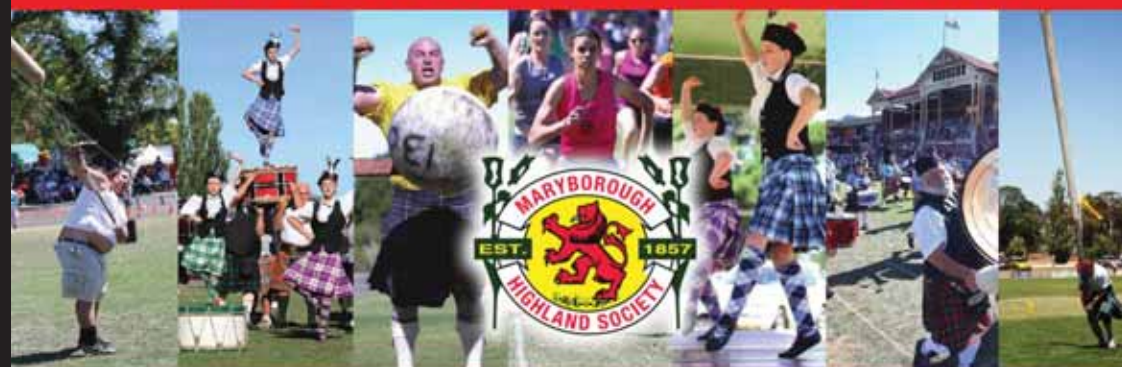
9 Napier St Terminus

	9:29	10:29	11:29	12:29	1:29	2:29
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BUS ROUTE SHOWN ON TOWN MAP



**“AUSTRALIA’S LONGEST
CONTINUOUS SPORTING EVENT”**



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