

2018 INFORMATION KIT
PART B: PUSHCARTS

ENERGY BREAKTHROUGH

21-25 NOVEMBER 2018 | MARYBOROUGH, VICTORIA

POWERED BY IMAGINATION

THE PREMIER SCIENCE, TECHNOLOGY, ENGINEERING AND MATHS, ACTIVE LEARNING PROGRAM



A PARTNERSHIP BETWEEN



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Dear Pushcart Entrants,

Please find enclosed the Information for this year's Pushcart Event at the Energy Breakthrough.

It contains information relating to:

- The requirements in each section of the event.
- Scrutineering Checklist
- Timetables for each event.

We encourage you to carefully read through this Information Kit so that you and all the members of your team are fully aware of what is required. This includes parents and supporters of your team.

Please note the changes to the Endurance section and the requirement for your student Team manager to hand your completed Scrutineering Checklist to the Pushcart Scrutineers at the event.

More Information:

If you require further information on the event please contact the Energy Breakthrough on 54610 621 or breakthrough@cgoldshire.vic.gov.au

Look forward to seeing you in Maryborough.

Yours sincerely,

John Stafford
Energy Breakthrough

IMPORTANT NOTICES

There are a number of issues that we would like to bring to your attention in relation to the Pushcart Event for 2018.

1. Safety Requirements:

It is important that before arriving in Maryborough that teams take all steps to ensure that both the pushcart and team members are safe to compete in all components of the event.

Teams are also encouraged to ensure that their vehicle fulfils all specifications thus ensuring the safety of other teams.

Please check through all the areas outlined in the Scrutineering checklist and ensure that they are accommodated before arriving in Maryborough. Student Team Managers are required to complete the Scrutineering Checklist prior to their scheduled Design & Construction time and present to Pushcart Scrutineers at the event.

2. Safety of Vehicle

Safety throughout the event is of high importance and as a result teams are expected to ensure that the vehicle and riders are safe, and have the required safety requirements (as detailed within the information in the website) at all times throughout the event.

Could we please ask that all teams ensure that their vehicle fulfills all safety requirements including sharp edges, drive safety, padding, and the like prior to coming to Maryborough.

3. Support Crew and Supporters:

We encourage all parties to support their teams. To ensure the highest level of safety; allowing judges to assess fairly; and providing all team members with an opportunity to participate on an equal basis, the following guidelines will exist for Support Crew and Supporters:

- entering onto to the race track while the Endurance, Sprint and Obstacle events are in progress is prohibited.
- running alongside, or pacing, the pushcart in events is prohibited.
- only team members are allowed in the Marquee while presenting to judges. (spectators will be able to view the presentations from outside the Marquee)
- assisting the team while they are presenting to judges or participating in track events is prohibited.

4. Assistance During Events:

If assistance is required during any event, marshals or judges will be available to assist team members where required. Judges/Marshals will be at each changeover point within the "Track Events" to assist team members if required.

Parents, teachers and other support crew are asked not to enter onto the track until invited to by the judges or marshals.

5. Teams

Teams will comprise of a minimum of eight members and a maximum of 10 members.

Please check out the information contained on the website for more information.

The requirement of having at least 50% females within a team stands regardless of the team size

6. Track events

- A Sprint relay, Obstacle and an Endurance Relay will test all aspects of vehicle design, construction and reliability as well as student fitness and teamwork.
- All teams must participant in all three elements.
- Points will be allocated on the basis of time for all events.
- Power for the vehicle must come solely from the single team member who is pushing the pushcart.
- The pusher may ride on the back of the cart while scooting along.
- Ultimate success on the track will depend as much upon fitness and teamwork as on the design of the vehicle.

Sprint relay:

The sprint relay will be conducted over a 50 metre straight track with eight team members having a turn of pushing and driving.

Points Allocation for the Sprint Relay:

- Points will be allocated on the total team time recorded.
That is: 15 points to the team recording the fastest time.

$$\text{Time Trial Score} = 15 - \left[\left(\frac{X - Y}{Y} \right) \times 15 \right]$$

- Where Y = fastest team time recorded & X = team's own time

Obstacle course:

Four team members will be required negotiate an Obstacle Course on both sealed and grassed surfaces.

Points Allocation for Obstacle Course

$$\text{Obstacle Course Score} = 10 - \left[\left(\frac{X - Y}{Y} \right) \times 10 \right] - \text{Penalty}$$

- Where Y = fastest team time recorded (in seconds) & X = teams own time (in seconds).

Obstacle Rally – Penalties & Infringements:

Infringement	Penalty Points
Contact with hay bale or barrier, loose seat belt and/or helmet,	0.2
Careless driving, contact with other vehicle, no seat belt, no helmet, incorrect pit change over	0.5
Very dangerous driving	1

Endurance Relay:

- This relay will be conducted on the Holden track with eight team members each having a turn of pushing and driving.
- Each person will be required to push for approximately 150 metres, then drive for approximately 150 metres before change-over.
- The endurance will be run in a *time trial format*, that is, each team starting with a 20-30 second gap.
- Changeover points will be handed out at the Briefing Meeting on Friday morning.

Points Allocation - Endurance Trial:

- Points will be allocated on time taken to complete the trial by the team. That is, 15 points to the team recording the fastest time.
- Other finishers: (X/Y) multiplied by 15 = points
- Where Y = highest number of laps recorded & X = team's number of laps.

7. Compulsory Meeting:

A compulsory meeting for one adult and the team captain will be held on ***Friday 23rd. November at 7.30am sharp*** at the Stage situated on the front straight of the VicRoads Track.

PUSHCARTS

WEDNESDAY 21 NOVEMBER

1.00 pm – 5.00pm **Registration open**
Location: Administration Centre

THURSDAY 22 NOVEMBER

All Day: Teams arrive and set up camp

9.00 am **Registration opens**
Location: Administration Centre

1.00 pm - 6.00 pm **Design and Construction & Scrutineering**
Location: Presentation Marquees

FRIDAY 23 NOVEMBER

7.30 am **Compulsory Meeting of Team Manager and Captain**
Location: VicRoads Stage, VicRoads Track

8.30 am – 10.30 am **Endurance Event**
Location: VicRoads Track

12.30 pm – 6.00 pm **Display and Presentation**
Location: Presentation Marquees

12.30 pm – 6.00 pm **Obstacle Course**
Location: Near Pushcart Marquees

SATURDAY 24 NOVEMBER

9.00 am **Obstacle Course (continued)**
Location: Near Pushcart Marquees

10.30 am – 12noon **Sprint Event**
Location: Track 1

3.30 pm **Presentation Ceremony (Primary)**
Location: Stage in Energy Expo area

SUNDAY 25 NOVEMBER

No activities

*** PLEASE NOTE THAT THIS TIMETABLE IS SUBJECT TO AMENDMENTS.**

PUSHCART EVENTS

- 1. Design and Construction**
- 2. Display and Presentation**
- 3. Track Events**

DESIGN AND CONSTRUCTION

Dismantle and Construction.

Venue: The Pushcart Marquee within the “Expo Area”.

Times: Thursday between 1.00pm and 6.00pm

- Teams have been allocated times – these are outlined at the back of this Information Kit.
- Teams are asked to report to the Pushcart Officials approximately 10 minutes prior to their allocated time.

After being allocated a construction space, teams dismantle the pushcart **PRIOR** to presenting to judges.

Teams must make sure that their pushcart can fit within a box 10cm deep in its dismantled state.

What is Required of Teams:

Once judges arrive, the team of eight to ten need to demonstrate that they can rebuild the vehicle within thirty minutes.

The key elements in this area include:

- Use of Technology
- Design of Pushcart
- Use of Recycled materials
- Support of other people in design and construction
- Construction of pushcart
- Innovation in Design

After rebuilding the pushcart, the team will be engaged in a discussion about the student’s knowledge and understanding of their pushcart.

Points Allocated:

A possible 30% of the total points will be allocated to this area.

SCRUTINEERING

Venue: The Pushcart Marquee.

Times: Thursday, from 1.00pm to 6.00pm.

Scrutineering Schedule:

The Scrutineering will be completed in the same location immediately following the team Design & Construction assessment.

Therefore all team members should participate and they will need to have their safety gear with them as outlined in the Energy Breakthrough website.

PLEASE NOTE: *Teams must register at the Administration Centre prior to Design & Construction and scrutineering.*

It is the responsibility of supervising staff to ensure that the vehicle meets **ALL** the specifications and safety requirements. Please check against information contained on the Energy Breakthrough website.

Student Team Managers are required to complete the Scrutineering Checklist prior to their scheduled Design & Construction time and present to Pushcart Scrutineers at the event.

Those teams who don't fulfill the requirements will need to rectify the areas identified prior to competing in any of the events.

SCRUTINEERING CHECKLIST

School Name: _____

Team Number: _____

AREA	YES N/A	NO	Comments
1. Design includes: <ul style="list-style-type: none"> a. four wheels, roll / push bar, front steering. b. No car or bike parts except seat belts. c. Lock nuts / split pins / washers on moving parts especially axles to avoid movement. 			
2. Front protection: <ul style="list-style-type: none"> a. Min 40 mm foam padding on front of pushcart 			
3. Brake operation: <ul style="list-style-type: none"> a. Is effective and has definite off position b. Operates on at least one rear wheel c. Brake operated by driver. 			
4. Wheel size (inc. tyres) less than 251 mm in diameter			
5. Front wheels not touching any other part of the cart at full left or right steering lock			
6. Steering by the driver, not the pusher.			
7. If Rope steering: the rope must have at least 300mm of plastic tube or other reinforcing material on both sides closest to the connected point of wheels.			
8. No protruding bolts or jagged edges <ul style="list-style-type: none"> a. design is free of protrusions or other features capable of causing interference or injury to fellow competitors or spectators. 			
9. Driver protection: Roll/push bar (roll bar must be at least 100mm above the tallest team members when sitting in seat.			
10. Seatbelt - Type <ul style="list-style-type: none"> a. an approved (Australian Design Rules) adult three point (minimum) automotive static or inertia reel seat belt. b. Automotive full harness types are acceptable. 			

<ul style="list-style-type: none"> c. The seat belt will be completely standard, inc. buckle, stitching and mounting plates. d. Seat belts must be adjustable to fit all individual team members. 			
11. Seatbelt – Mounting <ul style="list-style-type: none"> a. mounted to a major structural, non-moving member of the pushcart. b. Upper belts mounted behind the rider's shoulders, to suitably braced points on the roll bar. 			
12. Rear step stability <i>If a rear step is installed to enable the pusher to scoot the vehicle, the cart must be stable while the heaviest pusher is standing on the step and the lightest driver is sitting in the pushcart.</i>			
13. Two identification panels each 200 mm x 200 mm: <ul style="list-style-type: none"> a. One on front b. One on left side of pushcart c. must not constitute a danger to pusher or driver. 			
14. Safety Gear <ul style="list-style-type: none"> a. Each member of the team must have: b. knee pads c. elbow pads, d. an approved bicycle helmet, and e. protective gloves. 			

Additional Comments / Actions Required

Note: Please copy this Scrutineering Checklist, have your student team manager complete the checklist and then hand the completed form to the Pushcart Scrutineers.

DISPLAY AND PRESENTATION

Venue: The Pushcart Marquee.

Times: Each team has been allocated a time on [Friday between 12.30pm and 6.00pm](#)

- Times are outlined in detail at the back of this Booklet.
- Teams are asked to report to the Pushcart Officials approximately 15 minutes prior to their scheduled time.

What is Required of Teams:

- Each team will be required to provide a presentation of at least 20 minutes to judges, followed by question time.
- A display surface and access to power will be available.
- The display can take the form of your choice but must fit within a display area of 2 metres X 2 metres X 2 metres. The use of videos, tapes, etc. is permissible on the basis that teams provide their own equipment.
- A maximum of ten team members can participate in the presentation.

Teams are to ensure that their display and presentations occur within the required display area, size and time allowance.

The key elements in this area include:

- Team work
- Planning and Building process
- Student learning
- The presentation
- Links with school curriculum.

Points Allocation:

A possible 30% of the total points will be allocated to this area.

TRACK EVENTS

Within the Track Events each team will be required to participate in the “Obstacle Event”, “Endurance Event” and “Sprint Event.”

(a) Obstacle event

Venue: Adjacent to the Pushcart Marquee.

Times: **Friday between 12.30pm and 6.00pm**

&

Saturday between 9.00am and 10.30am

- Teams have been allocated times – these are detailed at the back of this Booklet.
- Teams are asked to report to the Pushcart Officials approximately 5 minutes prior to their time.

What is Required of Teams:

The Obstacle Course will comprise:

- a course with a number of obstacles located on both grass and asphalt.
- four nominated team members comprising at least two females will be required to complete the course.
- each pair will be required to negotiate two circuits of the course with pusher and driver changing positions at the end of the first lap.
- On the first pairs completion of their two laps, the second pair will be required to complete two circuits of the course.

Teams will have the opportunity to look over the course prior to the “Official Trial”.

Points Allocation:

- A possible 10% of the total points will be available.
- Points will be allocated according to the time required to complete the course.
- A penalty of 5 seconds will be incurred for each obstacle not successfully negotiated. This includes moving a cone, leaving the changeover area before safe to do so or missing an obstacle.

(b) Endurance Event:

Venue: VicRoads Track

Time: Friday between **8.30am and 10.30am**

The event will follow a Time Trial approach. Pushcarts will leave the start line in 30 second intervals. There will be no heats this year.

The Endurance event will take place on a circular street track – a section of the VicRoads track.

Each team member will be required to push approximately 200 metres and drive 200 metres.

What is Required of Teams:

- The Endurance event will require the teams of eight to split into pairs (with at least one in each pair being a girl).
- Each member of the team must have a turn of pushing and steering during the event.
- Pairs “1” will start the event with pairs “2”, “3”, and “4” being allocated changeover points around the **VicRoads Track**. Maps of changeover points will be provided at the Briefing Meeting on Friday morning.
- Each pair is required to:
 - take the pushcart from their starting point to a changeover point – approximately 200 metres.
 - At this point team members swap positions (ie the driver becomes the pusher and vice versa) and take the pushcart to the next changeover point.
 - Hand the pushcart over to the next pair who will follow the same format.
 - This process will occur for all pairs.
 - Pairs will changeover at designated locations around the **VicRoads Track**
- Each team will complete a total of two laps of an amended circuit After travelling down the front straight, Pushcart teams will turn left after Marshal Point 1 rather than turn right. The will re-join the circuit between Marshal Points 4 and 5.
- Penalties are allocated for breach of safety requirements, non team members on the track or pacing, leaving changeover points before safe to do so, and unsafe driving.

Points Allocation

- Teams will be allocated points on the basis of time recorded in their heats, taking into account any penalties accrued.
- A possible 15% of total points will be allocated to this area.

(c) Sprint Event:

Venue: Track 1

Time: 10.30am on Saturday.

Teams have been allocated heats – these are detailed at the back of this Information Kit

What is Required of Teams:

- The Sprint Event will require teams of eight to split into pairs (with at least one in each pair being a female).
- Each pair is required to complete the following:
 - take the pushcart approximately 50 metres to a “bay”:
 - stop in the “bay” - swap positions: turn the pushcart around (or vice versa)
 - take pushcart back to the starting “bay” for the next pair to take over.
- Each of the four pairs is required to have a turn.
- Teams must not leave the “bays” until the seat belt is secured.
- Penalties will be incurred if the team goes outside designated changeover “bays”, leaves the bay without securing seat belts or veers into another team’s lane on the course.

Points Allocation:

- Teams will be allocated points on the basis of time recorded in their heats, taking into account any penalties accrued.
- A possible 15% of the total points will be allocated to this area.

TEAMS AND TIMETABLES

No.	Team Name	School	Class
1	Rochy Remembers	St Joseph\'s Primary School	A1 (200 or less students)
2	Lightning Lloyd Boyz	Lloyd Street Primary School	A2 (more than 200 students)
3	Green Lightning	Lloyd Street Primary School	A2 (more than 200 students)
4	Avoca Bolt	Avoca Primary School	A1 (200 or less students)
6	Turbo Turtles	Beaconsfield Upper PS	A1 (200 or less students)
8	Team 1	Bonbeach Primary School	A2 (more than 200 students)
9	Redback Races	Carisbrook Primary School	A2 (more than 200 students)
10	Eppalock Stormers	Eppalock PS	A1 (200 or less students)
11	Team 1	Epping Primary School	A2 (more than 200 students)
12	Team 2	Epping Primary School	A2 (more than 200 students)
13	Epsom	Epsom Primary School	A2 (more than 200 students)
14	EPS	Epsom Primary School	A2 (more than 200 students)
15	XLR8	Glendal Primary School	A2 (more than 200 students)
16	StageX	Glendal Primary School	A2 (more than 200 students)
17	Great Western PS	Great Western Primary School	A1 (200 or less students)
18	Vortex	Jells Park Primary School	A2 (more than 200 students)
19	Thunder	Jells Park Primary School	A2 (more than 200 students)
20	Kerangaroos	Kerang Primary School	A1 (200 or less students)
21	Team 1	Kingsley Park Primary School	A2 (more than 200 students)
22	Locky Llamas	Lockington Consolidated School	A1 (200 or less students)
23	Locky Nitro	Lockington Consolidated School	A1 (200 or less students)
24	Team 1	Maryborough Education Centre	A2 (more than 200 students)
25	Team 1	Maryborough Education Centre	A2 (more than 200 students)
26	The Viper	Maryborough Education Centre	A2 (more than 200 students)
27	Team 1	Mornington Primary School	A2 (more than 200 students)
28	Team 2	Mornington Primary School	A2 (more than 200 students)
29	Team 3	Mornington Primary School	A2 (more than 200 students)
32	Flat Chat	Natte/Amphi Primary Schools	A1 (200 or less students)
33	Ouyen P-12	Ouyen P-12 College	A1 (200 or less students)
34	Ouyen P-12 2	Ouyen P-12 College	A1 (200 or less students)
35	Overport Gods	Overport Primary School	A2 (more than 200 students)
36	Overport Firebirds	Overport Primary School	A2 (more than 200 students)
37	Rangebank Rockets	Rangebank Primary School	A2 (more than 200 students)
38	Rangebank Allstars	Rangebank Primary School	A2 (more than 200 students)
39	Rowellyn Road Runners	Rowellyn Park Primary School	A2 (more than 200 students)
40	Rowellyn Racing Rockets	Rowellyn Park Primary School	A2 (more than 200 students)
41	Speedsters	Sebastopol Primary School	A1 (200 or less students)

No.	Team Name	School	Class
42	Scorchers	Sebastopol Primary School	A1 (200 or less students)
43	Might Saints 2	Ss Michael and John's PS	A2 (more than 200 students)
44	St Catherines Team 1	St Catherines Primary School	A2 (more than 200 students)
45	St Catherines Team 2	St Catherines Primary School	A2 (more than 200 students)
46	Team 1	St Mary's Warracknabeal	A1 (200 or less students)
47	St Pats McChokey's Warriors	St Patrick's Primary School	A2 (more than 200 students)
48	St Pats CrabdotersKL	St Patrick's Primary School	A2 (more than 200 students)
49	Tornadoes	St Therese's Primary School	A2 (more than 200 students)
50	THUNDER	St Therese's Primary School	A2 (more than 200 students)
51	PC1	St. Augustine's Primary School	A2 (more than 200 students)
52	PC2	St. Augustine's Primary School	A2 (more than 200 students)
53	PC3	St. Augustine's Primary School	A2 (more than 200 students)
54	Black Steel	Strathfieldsaye Primary School	A2 (more than 200 students)
55	Mozzie Bites	Tooradin Primary School	A2 (more than 200 students)
56	Yarra Laddas	Yarrawonga College P-12	A2 (more than 200 students)
57	Barry's Battlers	Yarrawonga College P-12	A2 (more than 200 students)

TIMETABLES

Design and Construction & Scrutineering:

Thursday 22/11/2018

Time		No	Team		No	Team
1.00 pm	20A	22	Lockington Consolidated School	23A	1	St Joseph's Primary School
	21A	54	Strathfieldsaye Primary School	24A	29	Mornington Primary School
	22A	3	Lloyd Street Primary School	25A	45	St Catherines Primary School
1.30 pm	20B	18	Jells Park Primary School	23B	49	St Therese's Primary School
	21B	37	Rangebank Primary School	24B	55	Tooradin Primary School
	22B	41	Sebastopol Primary School	25B	13	Epsom Primary School
2.00 pm	20A	26	Maryborough Education Centre	23A	8	Bonbeach Primary School
	21A	32	Natte/Amphi Primary Schools	24A	2	Lloyd Street Primary School
	22A	39	Rowellyn Park Primary School	25A	14	Epsom Primary School
2.30 pm	20B	17	Great Western Primary School	23B	20	Kerang Primary School
	21B	57	Yarrowonga College P-12	24B	9	Carisbrook Primary School
	22B	47	St Patrick's Primary School	25B	6	Beaconsfield Upper PS
3.00 pm	20A	35	Overport Primary School	23A	33	Ouyen P-12 College
	21A			24A	38	Rangebank Primary School
	22A	24	Maryborough Education Centre	25A	42	Sebastopol Primary School
4.00 pm	20B	15	Glendal Primary School	23B	50	St Therese's Primary School
	21B	21	Kingsley Park Primary School	24B	11	Epping Primary School
	22B	27	Mornington Primary School	25B	40	Rowellyn Park Primary School
4.30 pm	20A	10	Eppalock PS	23A	46	St Mary's Warracknabeal
	21A	12	Epping Primary School	24A	36	Overport Primary School
	22A	19	Jells Park Primary School	25A	48	St Patrick's Primary School
5.00 pm	20B	23	Lockington Consolidated School	23B	43	Ss Michael and John's PS
	21B	28	Mornington Primary School	24B	16	Glendal Primary School
	22B	34	Ouyen P-12 College	25B	51	St. Augustine's Primary School
5.30 pm	20A	44	St Catherines Primary School	23A	25	Maryborough Education Centre
	21A	52	St. Augustine's Primary School	24A	53	St. Augustine's Primary School
	22A	4	Avoca Primary School	25A	56	Yarrowonga College P-12

TIMETABLES

Endurance Event:

Friday 23/11/2018			
Teams to Report to marshalling area by 8.00 am			
12	Epping Primary School	27	Mornington Primary School
24	Maryborough Education Centre	11	Epping Primary School
29	Mornington Primary School	35	Overport Primary School
51	St. Augustine's Primary School	25	Maryborough Education Centre
4	Avoca Primary School	38	Rangebank Primary School
37	Rangebank Primary School	34	Ouyen P-12 College
54	Strathfieldsaye Primary School	43	Ss Michael and John's Primary School
42	Sebastopol Primary School	9	Carisbrook Primary School
3	Lloyd Street Primary School	55	Tooradin Primary School
Teams to Report to marshalling by 8.30 am			
46	St Mary's Warracknabeal	39	Rowellyn Park Primary School
40	Rowellyn Park Primary School	33	Ouyen P-12 College
2	Lloyd Street Primary School	48	St Patrick's Primary School
10	Eppalock PS	20	Kerang Primary School
52	St. Augustine's Primary School	56	Yarrawonga College P-12
14	Epsom Primary School	22	Lockington Consolidated School
28	Mornington Primary School	36	Overport Primary School
44	St Catherines Primary School	1	St Joseph's Primary School
16	Glendal Primary School	6	Beaconsfield Upper Primary School
Teams to Report to marshalling area by 9.00 am			
50	St Therese's Primary School	8	Bonbeach Primary School
21	Kingsley Park Primary School	15	Glendal Primary School
41	Sebastopol Primary School	17	Great Western Primary School
26	Maryborough Education Centre	19	Jells Park Primary School
13	Epsom Primary School	23	Lockington Consolidated School
49	St Therese's Primary School	45	St Catherines Primary School
32	Natte/Amphi Primary Schools	53	St. Augustine's Primary School
47	St Patrick's Primary School	18	Jells Park Primary School
57	Yarrawonga College P-12		

TIMETABLES

Display and Presentation

Friday 23/11/2018							
Time	Panel	No	School	Panel	No	Team	
12.30 pm	20A	11	Epping Primary School	24A	17	Great Western Primary School	
	21A	13	Epsom Primary School	25A	20	Kerang Primary School	
	22A	15	Glendal Primary School	26A	34	Ouyen P-12 College	
	23A	19	Jells Park Primary School	27A	24	Maryborough Education Centre	
1.00 pm	20B	12	Epping Primary School	24B	18	Jells Park Primary School	
	21B	14	Epsom Primary School	25B	21	Kingsley Park Primary School	
	22B	16	Glendal Primary School	26B	33	Ouyen P-12 College	
	23B	23	Lockington Consolidated School	27B	26	Maryborough Education Centre	
2.00 pm	20A	27	Mornington Primary School	24A	50	St Therese's Primary School	
	21A		#N/A	25A	25	Maryborough Education Centre	
	22A	22	Lockington Consolidated School	26A	35	Overport Primary School	
	23A	36	Overport Primary School	27A	41	Sebastopol Primary School	
2.30 pm	20B	29	Mornington Primary School	24B	2	Lloyd Street Primary School	
	21B	38	Rangebank Primary School	25B		#N/A	
	22B	42	Sebastopol Primary School	26B	28	Mornington Primary School	
	23B	9	Carisbrook Primary School	27B	48	St Patrick's Primary School	
3.00 pm	20A	32	Natte/Amphi Primary Schools	24A	49	St Therese's Primary School	
	21A	39	Rowellyn Park Primary School	25A	37	Rangebank Primary School	
	22A	10	Eppalock PS	26A	53	St. Augustine's Primary School	
	23A	44	St Catherines Primary School	27A	54	Strathfieldsaye Primary School	
4.00 pm	20B	45	St Catherines Primary School	24B	55	Tooradin Primary School	
	21B	47	St Patrick's Primary School	25B	56	Yarrawonga College P-12	
	22B		#N/A	26B	40	Rowellyn Park Primary School	
	23B	51	St. Augustine's Primary School	27B	1	St Joseph's Primary School	
4.30 pm	20A	6	Beaconsfield Upper Primary School	24A	46	St Mary's Warracknabeal	
	21A	57	Yarrawonga College P-12	25A	43	Ss Michael and John's Primary School	
	22A	4	Avoca Primary School	26A	8	Bonbeach Primary School	
	23A	52	St. Augustine's Primary School	27A	3	Lloyd Street Primary School	

TIMETABLES

Obstacle Course

Friday 23/11/2018				
Time	No	Team	No	Team
12.30 pm	44	St Catherines Primary School	52	St. Augustine's Primary School
	49	St Therese's Primary School	48	St Patrick's Primary School
	51	St. Augustine's Primary School	50	St Therese's Primary School
	56	Yarrowonga College P-12	9	Carisbrook Primary School
1.15 pm	45	St Catherines Primary School	47	St Patrick's Primary School
	3	Lloyd Street Primary School	2	Lloyd Street Primary School
	1	St Joseph's Primary School	4	Avoca Primary School
	53	St. Augustine's Primary School	54	Strathfieldsaye Primary School
2.00 pm	46	St Mary's Warracknabeal	6	Beaconsfield Upper Primary School
	40	Rowellyn Park Primary School	10	Eppalock PS
	43	Ss Michael and John's Primary School	8	Bonbeach Primary School
	55	Tooradin Primary School	57	Yarrowonga College P-12
2.45 pm	11	Epping Primary School	19	Jells Park Primary School
	13	Epsom Primary School	24	Maryborough Education Centre
	17	Great Western Primary School	15	Glendal Primary School
	20	Kerang Primary School	23	Lockington Consolidated School
3.30 pm	14	Epsom Primary School	16	Glendal Primary School
	21	Kingsley Park Primary School	18	Jells Park Primary School
	12	Epping Primary School	22	Lockington Consolidated School
	25	Maryborough Education Centre	42	Sebastopol Primary School
4.15 pm		#N/A	36	Overport Primary School
	26	Maryborough Education Centre	29	Mornington Primary School
	28	Mornington Primary School	41	Sebastopol Primary School
	34	Ouyen P-12 College	37	Rangebank Primary School
5.00 pm	33	Ouyen P-12 College	35	Overport Primary School
	38	Rangebank Primary School	27	Mornington Primary School
	32	Natte/Amphi Primary Schools		#N/A
	39	Rowellyn Park Primary School		#N/A

TIMETABLES

Sprint Event

SPRINT SCHEDULE – Saturday 24/11/2018					
Teams in Heat 1 - 7 report to marshalling area at 10.00am.					
Teams in Heats 7 - 14 report to marshalling area at 10.45 am					
Heat	No	Team	Heat	No	Team
1	1	St Joseph's Primary School	8	29	Mornington Primary School
	4	Avoca Primary School		33	Ouyen P-12 College
	16	Glendal Primary School		37	Rangebank Primary School
	49	St Therese's Primary School		41	Sebastopol Primary School
2	2	Lloyd Street Primary School	9	43	Ss Michael and John's PS
	10	Eppalock PS		34	Ouyen P-12 College
	8	Bonbeach Primary School		38	Rangebank Primary School
	11	Epping Primary School		42	Sebastopol Primary School
3	3	Lloyd Street Primary School	10		
	6	Beaconsfield Upper PS		35	Overport Primary School
	9	Carisbrook Primary School		39	Rowellyn Park Primary School
	12	Epping Primary School		48	St Patrick's Primary School
4	13	Epsom Primary School	11	32	Natte/Amphi Primary Schools
	17	Great Western Primary School		36	Overport Primary School
	21	Kingsley Park Primary School		40	Rowellyn Park Primary School
	25	Maryborough Education Centre		44	St Catherines Primary School
5	14	Epsom Primary School	12	45	St Catherines Primary School
	18	Jells Park Primary School		50	St Therese's Primary School
	22	Lockington Consolidated School		55	Tooradin Primary School
	26	Maryborough Education Centre		53	St. Augustine's Primary School
6	15	Glendal Primary School	13	46	St Mary's Warracknabeal
	19	Jells Park Primary School		51	St. Augustine's Primary School
	23	Lockington Consolidated School		56	Yarrawonga College P-12
	27	Mornington Primary School			
7	54	Strathfieldsaye Primary School	14	47	St Patrick's Primary School
	20	Kerang Primary School		52	St. Augustine's Primary School
	24	Maryborough Education Centre		57	Yarrawonga College P-12
	28	Mornington Primary School			



CIRCUIT LENGTHS
 TRACK 1 - 1.58 km
 VICROADS - 1.11 km

KEY

- Toilets
- Showers
- Camping Area
- First Aid
- Food & Refreshments

ENERGY BREAKTHROUGH SITE

- Assembly Point
- Marshall Point & Number
- Track Direction
- Start/Finish
- Pushcart Changeover Point
- Repair Station
- Recharge Station
- Parking Area
- On-site Supermarket
- Hospitality Marquee

- Wrist Banding Station
- Track 1 Stage
- VicRoads Stage
- Road Closure