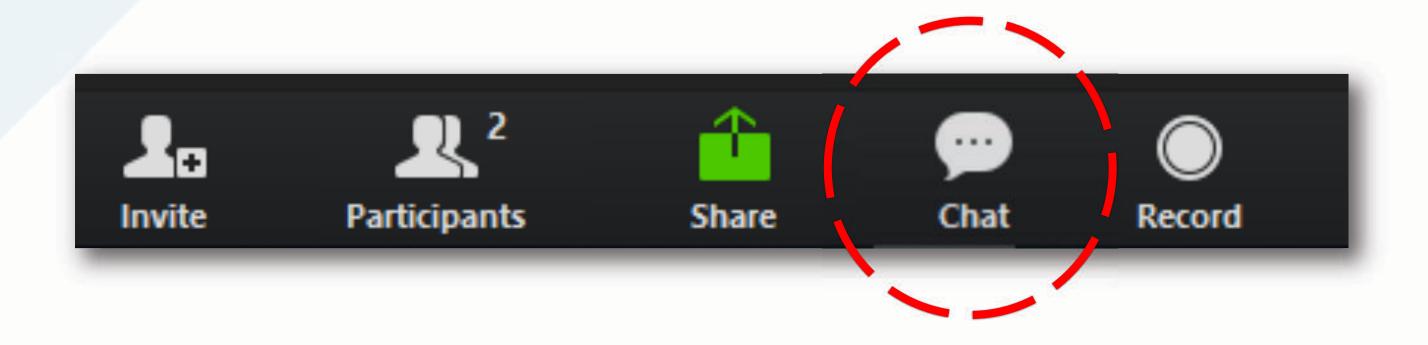


GROUND RULES



Participating today:

- Mobile phones to silent
- Recording session
- Please "Mute" your microphone on Zoom unless engaged to speak
- Any questions please send through via "Chat"



AGENDA

- ENERGY DESCRIPTION OF THE PROPERTY OF THE PROP
- **POWERED BY IMAGINATION**

- 1. Welcome
- 2. Brief history of the Energy Breakthrough
- 3. State of Play & Factors
- 4. Key Changes
- 5. New Site Map
- 6. Next Steps
- 7. Wrap Up





PARTNERS







POWERED BY IMAGINATION

SPONSORS AND SUPPORTERS























Energy Breakthrough: Origin Story



POWERED BY IMAGINATION

In 1990, schools from the Country Education Project (CEP) Area, the Mallee Track, competed in the South Australian Pedal Prix. (Now the Australian HPV Super Series)



The CEP team at the time thought: "We *could* keep supporting these schools to go across the border to S.A. OR We could look to start something new."

CEP ran an Expression of Interest process for a 'host location' in a regional setting for an event that would have a strong education focus. Maryborough was perfect and the successful bidder!

In 1991, the first Energy Breakthrough was held in Maryborough with RACV technical support. Eight pushcart teams and 18 Human Powered Vehicles and Petrol-Pedal Hybrids covering different age ranges competed.











The Energy Breakthrough Program aims to:

- Provide an excellent technology project for students from Prep to VCE level.
- Encourage young people to explore solutions to environmental and transport issues.
- Provide an opportunity for schools and communities to work and learn together.
- Provide an opportunity for women and girls to participate in what has traditionally been a 'male' dominated area of the curriculum (STEM).
- Be a fun program with real world challenges.
- Offer students opportunities to explore and address vehicle design, driving skills and vehicle and passenger safety issues.





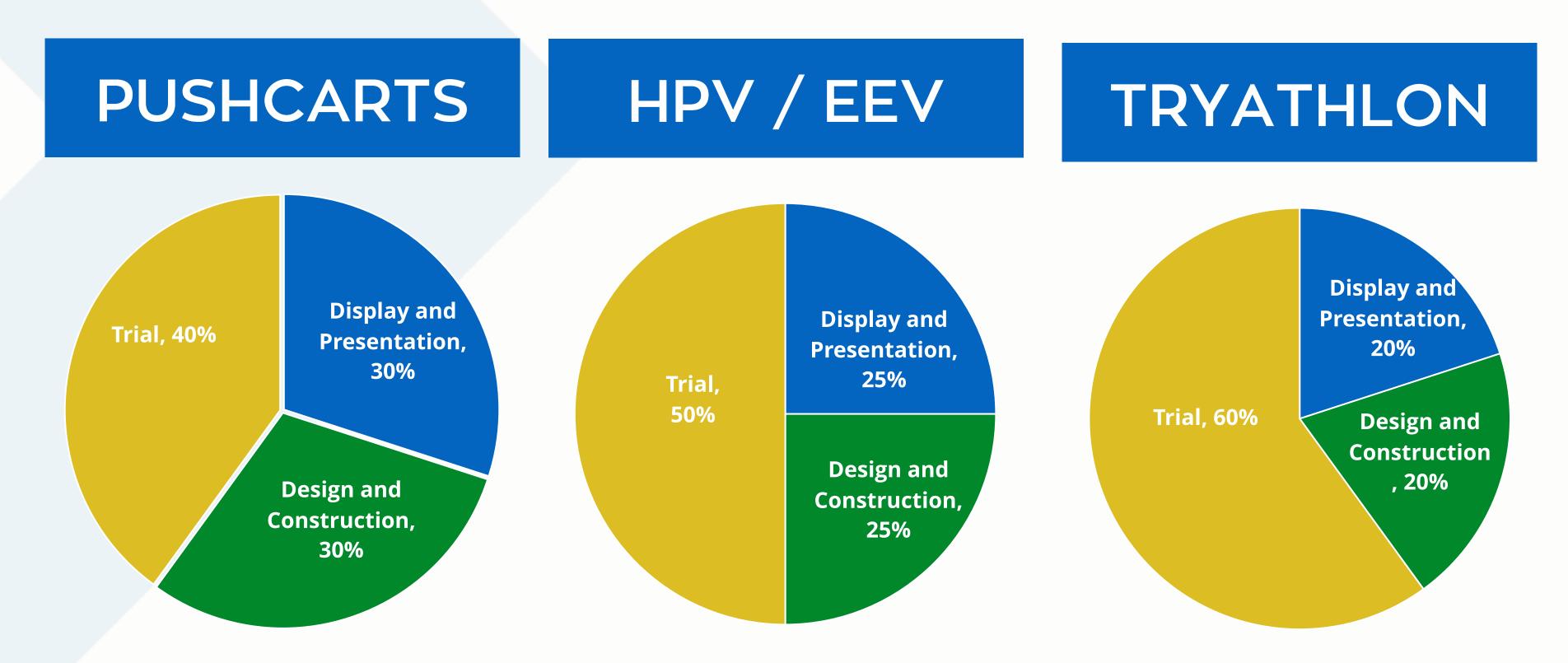
ASSESSMENTS



POWERED BY IMAGINATION

Energy Breakthrough is unique in that teams must complete three assessments: 1/ Display and Presentation, 2/ Design and Construction and 3/ Trials.

Note the Robotics and Junkyard Challenge only complete a Trial component.





Energy Breakthrough

783 subscribers

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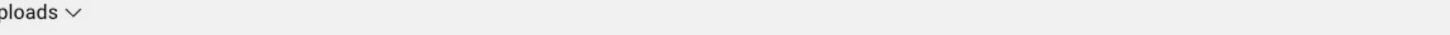
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Live On-Board Footage at the 2018 Energy Breakthrough

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Energy Breakthrough 2018 -It's here

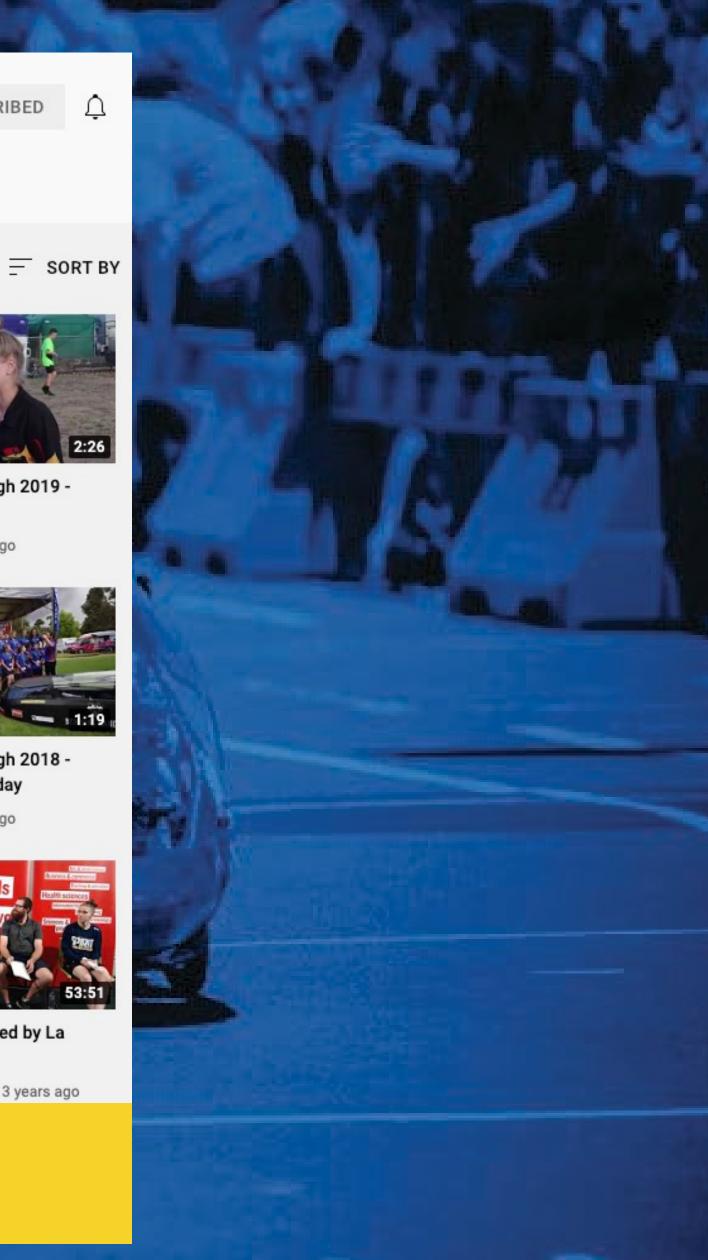
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Get Ready, Presented by La **Trobe University**

325 views • Streamed 3 years ago

https://www.youtube.com/energybreakthrough









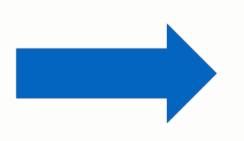
POWERED BY IMAGINATION

FACTOR 1: The COVID-19 pandemic severely disrupted schools' programs.

Younger students weren't able to be inspired by older students, experienced and passionate teachers changed schools or left the profession, enthusiastic and valuable parents lost connection with the EB program or their students graduated, and other sports and programs took the Energy Breakthrough's place.



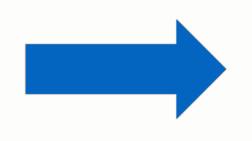
340 Teams in 2019



292 (-48 or -14%) Teams this year



150 Schools in 2019



100 (-50 or -30%)

Schools this year

FACTORS: COSTS AND REVENUE



FACTOR 2:

Event delivery costs have significantly **INCREASED** since 2019. Overall sponsorship levels have **DECREASED** since 2017. Behind the scenes, we continue to work on both areas with urgency.



FACTORS: TIME IN LIEU & BUDGETS



POWERED BY IMAGINATION

FACTORS 3: Time In Lieu Policy and changing school budgets

Victorian State Government schools are now generally operating under a **Time In Lieu** policy that makes all excursions and extra-curricular activities such as Energy Breakthrough more expensive. There are many pressures on a **school budget** and the Energy Breakthrough program is not immune to those forces.



TIME IN LIEU POLICY



CHANGE IN SCHOOL BUDGETS











KEY 2023 CHANGES

ENERGY DE BREAKTHROUGH

POWERED BY IMAGINATION

ROBOTICS

- No changes to program.
- FRIDAY AM program.
- Limit of four teams per school.
- NEW Info sessions and school visits available.

JUNKYARD CHALLENGE

- Moves to THURSDAY from SATURDAY.
- Limit of four teams per school.
- Info sessions available.

PUSHCARTS

- No changes to program.
- WEDNESDAY to FRIDAY program.
- Increases cap from three teams per school to four teams per school.
- New resource kit.







HPV PRIMARY

- Moves to Track One.
- Program moves forward to WEDNESDAY to FRIDAY from THURSDAY to SATURDAY.
- Increases capacity to 135 teams total.
- Increases cap from three teams per school to four teams per school.
- Will camp on Princes Park and Hockey Field.

TIMETABLE

WEDNESDAY: Judging and scrutineering

WEDNESDAY NIGHT: Practice session with the TRYathlon Primary teams.

• THURSDAY: 9am – 5pm Trial: First 8 hours with the TRYathlon Primary teams.

• FRIDAY AM: 6am – 12pm Trial: Final 6 hours without TRYathlon teams.









HPV SECONDARY & ENERGY EFFICIENT VEHICLES

- No major changes to program.
- All activities still on Track 1.
- Schools camping on Jubilee Oval will need to bump in around the HPV Primary Trial event.
- 24 Hour Trial will now begin at 12noon on Saturday until 12noon on Sunday.
- First 8 Hours of Trial will be shared with TRYathlon Secondary teams.
- Increased cap from three teams per school to four teams per school.

THURSDAY NIGHT

- Show'N'Shine
- Guest Speaker
- Movie Night



KEY 2023 CHANGES



TRYATHLON

TIMETABLES

Primary TRYathlon teams will follow the HPV Primary Program:

• WEDNESDAY: Judging

WEDNESDAY: Practice session with the HPV Primary teams.

• THURSDAY: Trial: First 8 hours with the HPV Primary teams.

FRIDAY PM: TT and Obstacle.

Secondary TRYathlon teams will follow the HPV Secondary Program:

• FRIDAY AM: Judging

FRIDAY PM: TT and Obstacle.

FRIDAY NIGHT: Practice session with the HPV Secondary teams.

• SATURDAY: Trial: First 8 hours with the HPV Secondary teams.

• All TRYathlon teams will complete the Time Trial and Obstacle Rally together on Friday PM.

LOCATIONS

- TRYathlon Time Trial on top loop of Track 1.
- TRYathlon Obstacle on front straight of Track 2.
- TRYathlon 8 Hour Trial on Track 1.

PROGRAM - TUESDAY & WEDNESDAY



	TUESDAY											
TIME / LOCATION	2:00PM	3:00PM.	4:00PM	5:00PM.	6:00PM							
ADMIN HUB	SITE CLOSED	CHECK-IN: PRIMARY										
CAMPING			SCHOO	OLS BUMP-IN CAMP	ING							

WEDNESDAY													
TIME / LOCATION	8:00AM	9:00AM	10:00AM	11:00AM.	12NOON	1:00PM	2:00PM	3:00PM	4:00PM	5:00PM	6:00PM	7:00PM	
ADMIN HUB	Cł	8AM – IECK-IN:		RY									
EB CENTRAL - AREA 1			HPV										
EB CENTRAL - AREA 2		PUSHO	AM - 12P CARTS - SCRUT.	D&C &								MOVIE NIGHT	
TRACK #1											6:30PM - 8:30PM HPV A & TRY A - PRACTICE		
TRACK #2							2F PUSHCAF	PM - 4PM RTS - OBS					

PROGRAM - THURSDAY



THURSDAY													
TIME / LOCATION	8:00AM	9:00AM	10:00AM	11:00AM.	12NOON	1:00PM.	2:00PM	3:00PM.	4:00PM	5:00PM.	6:00PM	7:00PM.	8:00PM
ADMIN HUB			9AM - 12PM: CHECK-IN: SECONDARY			ECK-IN C	LOSED	CHEC	6PM: CK-IN: CC.				
EB CENTRAL - AREA 1							IPM - 4PM ARD CHAL						
EB CENTRAL - AREA 2												SHOW N SHINE GUEST SPEAKER MOVIE	
TRACK #1		Н	9AM - 5PM: HPV A (Part 1/2) & TRY A (Part 1/1) - TRIAL (8 HRS)										
TRACK #2		PUS	M - 12PM SHCARTS DURANC	S -		1PM - 4PM: PUSHCARTS - SPRINT							

PROGRAM - FRIDAY



						FR	IDAY								
TIME / LOCATION	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12 NOON	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM
ADMIN HUB		AM - 12N HECK-IN													
EB CENTRAL - AREA 1		9AM - 5PM: HPV SECONDARY & EEVS - D&P, D&C, SCRUTINEERING													
EB CENTRAL - AREA 2		10AM - 1PI ROBOTIC				1PM: HPV A AWARDS									
EB CENTRAL - AREA 3		TRY :	AM - 12PI SECOND D&P, D&C UTINEEF	ARY - C,											
TRACK #1 - Full Circuit	6AM - 12PM	I: HPV A (6 HR		Part 2/2								7 / 7:30PM HPV SEC, T PR			
TRACK #1 - TT Loop							1:30PM · TRY TIME								
TRACK #2 - Front Straight							1PM - 5 TRY OBS								

PROGRAM - SATURDAY & SUNDAY



SATURDAY														
TIME / LOCATION	11:00AM	12NOON	1:00PM	2:00PM	3:00PM	4:00PM	5:00PM	6:00PM	7:00PM	8:00PM	9:00PM	10:00PM	11:00PM	12 MID
ADMIN HUB														
EB CENTRAL - AREA 1														
EB CENTRAL - AREA 2												10PM: TRY AWARDS		
TRACK #1 - Full Circuit			12PM - 12PM: HPV SECONDARY & EEVS - TRIAL (24hrs) 12PM - 8PM: TRY SEC - TRIAL (8 HRS)											
TRACK #1 - Full Circuit														

SUNDAY															
TIME / LOCATION	6:00AM	7:00AM	8:00AM	9:00AM	10:00AM	11:00AM.	12NOON	1:00PM.	2:00PM	3:00PM.	4:00PM				
ADMIN HUB															
EB CENTRAL - AREA 1								1PM: AWARDS							
EB CENTRAL - AREA 2										SITE C	LOSED				
TRACK #1	HI	PV SECONE	12PM - 12F DARY & EEV												
TRACK #2															





