

THE BOYS' BRIGADE VICTORIA
WESTERN REGION

BILLY KART DERBY

for the advancement of Christ's Kingdom

Event Plan for the Boys' Brigade Victoria
Western Region Billy Kart Derby

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Some material in this document has been taken from the State Billy Cart Derby 2022 plan.

This manual was written by Mr. Alexander Richardson, Captain of the 36th VIC Hoppers Crossing Company, The Boys' Brigade.

Overview

The Western Region Billy Kart Derby is an annual Juniors event where juniors come together from across the region to compete together.

This event takes place across half a Saturday, usually an afternoon.

Boys compete together in teams of two (ideally from the same company). These teams are then sorted into groups of 2-3 pairs (ideally with a mix of companies). It is in these groups that the Boys rotate round the four competitions that make up the derby.

- Drag Race: racing in a straight line, approx 80m
- Pincer: racing around a rectangle, catching another team
- Circuit: racing around a longer circuit
- Obstacle: completing an obstacle course in the fastest time

This event aims to achieve the following purposes:

1. Provide Boys with a chance to compete
2. Provide Boys with an opportunity to connect with Boys from other companies
3. Encourage the teaching of woodwork and DIY skills in companies
4. Strengthen team work skills within a company

This event could also be adapted to include seniors.

Team

This event requires quite a large number of officers to run, however, some of the following roles may be done by the same person.

WR Billy Kart Derby Convenor

- Oversees whole event
- Coordinates promotion / registrations
- Coordinates Set Up / Pack Up

Admin Assistant

- Collects results
- Makes certificates
- Assists with overall functioning of the event

Safety Officer

- Oversees the whole event from a safety perspective
- Designated First Aider
- Should hold up to date first aid qualifications

Competition Facilitators (2 per competition)

- Run their designated competition
- Record Results
- Supervise Boys
- Follow safety arrangements

Afternoon Tea

- Coordinate afternoon tea for all Boys, families and leaders.

Schedule

Here is a schedule for the event.

Time	Activity
12:30pm	Officers Briefing
1:00pm	Boys Arrive (sign in)
1:10pm	Opening + Safety Briefing
1:30pm	Teams Practice
1:50pm	1st Comp Round
2:15pm	2nd Comp Round
2:40pm	3rd Comp Round
3:05	4th Comp Round
3.25	Afternoon Tea
3.45	Results / Closing (sign out)

Each competition round includes 20 minutes of competition and 5 minutes of switching.

Calendar

Here is a rough calendar for this event.

Beginning of Year - Date released on annual calendar / venue booked

6 weeks before event - Promo starts / Regos open

3 Weeks before - reminder email to parents

1 week before event - close regos so proper planning can take place
(send final email before regos close)

The event!

Equipment Needed

Billy Karts (soap box style, see appendices)

Cones (as many as possible)

Certificates

Food and Drink for Afternoon Tea

Make sure water is available

Sunscreen may be required (depending on UV level)

PA system may be needed if venue is large enough



COMPETITIONS

Descriptions of the different competitions and how the results are calculated.

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Drag

The course is to be a straight line, of approximately 80 metres.

Teams are to take turns within their group at attempted to travel down the course as quickly as possible.

Each pair will get four attempts at this. (swap driver/pusher after the first two). The best of their four attempts will be counted.

One leader will need to be at the start of the course, and one at the end.

Safety Points

Ensure the Boy pushing gently brakes the kart at the end of the course.

Ensure only one team is participating at a time.

Ensure helmets, knee pads, elbow pads and wrist guards are being worn by Boys who are steering.

Pursuit

The pursuit race is based on a cycling pursuit race. The course shape is a rectangle as pictured below. Teams start at the two opposite corners and try to catch each other.

For one team to catch another, they are required to get their front wheel in line with the feet of the pusher of the kart in front. They are attempting to pull up beside them, **not** run into the back of them.

If a team hits the ankles of a Boy pushing a kart, the round ends and they are instantly given the maximum time of 3 minutes.

The time it takes a team to catch up is then recorded (max 3 minutes).

Each team should have 2 attempts at this (swapping driver and pusher).

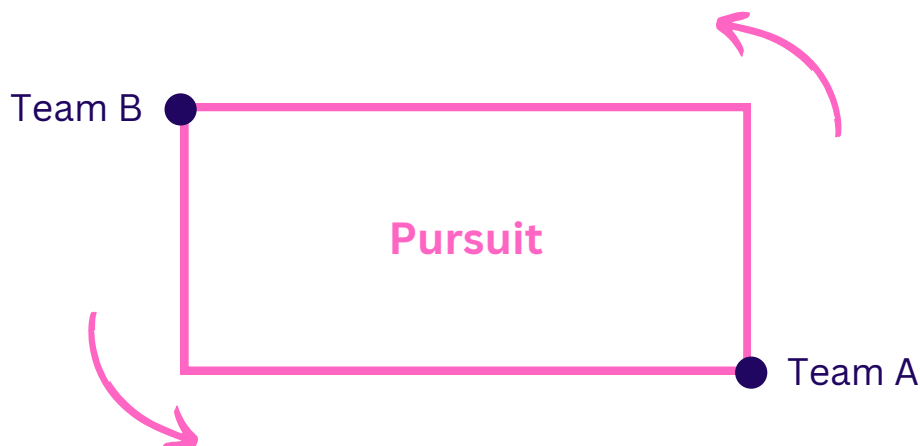
If any team hits the markers at the corners of the rectangle, they must come to a complete stop before starting to move again.

Safety Points

Ensure Boys pushing gently brakes the kart at the end of the course.

Ensure corners are not being taken too sharply.

Ensure helmets, knee pads, elbow pads and wrist guards are being worn by Boys who are steering.



Circuit

The circuit is the longest competition, approx 200m.

Boys must go all the way around the course in the quickest time possible.

Teams should get 2 attempts at this course (switching driver and pusher). Their lowest time will be counted.

It is recommended to have a leader out on the course to help direct and supervise the Boys.

Safety Points

Ensure the Boy pushing gently brakes the kart at the end of the course.

Ensure corners are not being taken too sharply.

Ensure helmets, knee pads, elbow pads and wrist guards are being worn by Boys who are steering.

Obstacle

The obstacle course is perhaps the most challenging of the competitions as it requires more steering skill rather than pushing speed.

Every time an item in the course is touched by any part of the kart, the Boys driving **or the pusher** a 3 second penalty should be added on.

No part of the course is allowed to be moved.

The maximum time allowed for this attempt is 3 minutes.

Each team should have 2 attempts (switching drivers and pushers). Their best time will be recorded.

Safety Points

Ensure the Boy pushing gently brakes the kart at the end of the course.

Ensure corners are being taken in a safe manner.

Ensure helmets, knee pads, elbow pads and wrist guards are being worn by Boys who are steering.

This may be the most frustrating competition for the Boys to compete in. It is important to maintain a zero tolerance policy for bullying of any kind and to continually encourage them to work as a team.

Results Calculation

The Billy Kart Derby is made up of 2 separate categories of awards.

Type One: Teams for each Competition

For each competition, 1st, 2nd and 3rd place certificates are awarded to the respective teams. These are simply based on times.

- Drag Race: shortest time to complete
- Pincer: Shortest time to catch the other team
- Circuit: shortest time to complete the track
- Obstacle: shortest time to complete the circuit

Type Two: Overall Company

The companies are also ranked based on how they have performed. This is calculated with the average of how each company has performed across all their teams.

Thus a company with 2 teams with scores of 2mins and 3mins would have a score of 2.5mins for the respective activity.

The companies are then ranked in order of average speed in each competition. For first place, 3 points are received, for second place, 2 points, for third place, one point.

The company with the most points is then declared the overall winner.

The results are calculated in this way to try and ensure that larger companies don't dominate the competition.

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SAFTEY

Important Safety Considerations for the Billy
Kart Derby.

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Safety Briefing Notes

Here are some notes on safety, it is important that leaders and Boys are aware of these and follow them at all times.

1. Personal Safety Equipment

- a. All persons driving karts must be wearing the following
 - i. Helmet
 - ii. Knee pads
 - iii. Elbow pads
 - iv. Wrist guards

2. Steering

- a. While steering it is important not to turn sharply, this can cause the kart to tip. (this should be practiced during the team practice time)
- b. It is important to communicate to the person pushing when you are turning
- c. Only one Boy is permitted to be sat on the kart at a time

3. Pushing

- a. Whenever the kart is moving, a hold of the steering Boys' shoulders must be maintained. This is because the Boy who is pushing also acts as the breaks.

4. Preventing Collisions

- a. There are no air bags or seat belts on billy karts
- b. To prevent collision, only ride the karts when instructed to and only in the direction / location you have been instructed to.

5. Teamwork

- a. To mitigate against negative emotional impacts of dysfunctional team work, ensure Boys are reminded that they are a team and they are not to blame one another if things go wrong. They should instead work as a team to improve together.

Boys' Brigade Australia

RISK MANAGEMENT Form

Form RM-1

Activity:	WR Billy Kart Derby	Age of Participants:	7-13	Maximum Number of Participants:	20
Location:	Werribee Baptist Church Carpark	Completed By:	Mr. Alex Richardson (WR Billy Kart Derby Convenor 2023)		
Previous Experience of Participants:	Various levels of experience, many with little to no experience				
Date Completed:	4/11/2023	Completed By:	Mr. Alex Richardson (WR Billy Kart Derby Convenor 2023)		
Hazard, associated risks and special circumstances relating to the risk:		Likelihood	Consequences	Internal Risk Assessment	Acceptable/Unacceptable

Falling off karts / crash	L	Ma	E	X	Wear helmets, knee pads, elbow pads, wrist guards, safety training, have first aid kit + first aid trained officer, closed in shoes	P	Mi	M	✓
Collisions between karts	L	Ma	E	X	Heavily restrict the time when Boys are riding the karts. Protective Equipment, First aid kit, first aid trained officer, closed in shoes	U	Mod	M	✓
Allergic reaction to afternoon tea	U	Ma	H	X	Make families aware that morning tea has been served. Have EPI Pen	R	Mod	M	✓
General Injuries	L	Mod	H	X	Take Boys through safety briefing, provide instructions for driving karts, allow practice time to learn, have first aid kit + first aid trained officer, closed in shoes	P	Mi	M	✓
Emotional Injury Risk: bullying within teams	P	Mod	H	X	Tell Boys they should be working as teams, have zero tolerance policy for bullying	U	Mod	M	✓

Likelihood of incident occurring: R - Rare; U - Unlikely; P - Possible; L - Likely; A - Almost Certain.
Consequence if incident did occur: I - Insignificant; MI - Minor; Mod - Moderate; Ma - Major; C - Catastrophic.

Likelihood	Consequences				
	Insignificant	Minor	Moderate	Major	Catastrophic
Almost Certain	H - High	H - High	E - Extreme	E - Extreme	E - Extreme
Likely	M - Moderate	H - High	H - High	E - Extreme	E - Extreme
Possible	L - Low	M - Moderate	H - High	E - Extreme	E - Extreme
Unlikely	L - Low	L - Low	M - Moderate	H - High	E - Extreme
Rare	L - Low	L - Low	M - Moderate	H - High	H - High

Risk Acceptability	✓
Acceptable	✓
Unacceptable	X

CONTROLS: (least to most effective)

- Protective Equipment
- Training
- Separation
- Substitution
- Re-design
- Design

↑



APPENDICIES

Other relevant materials for the Billy Kart Derby.
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Results Tables

Here is the sheet that should be filled out for each competition.

Competition:

Team	Attempt 1	Attempt 2	Attempt 3	Attempt 4	Best
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Certificates

Here is the certificate design. It can be accessed here:

[https://www.canva.com/design/DAFzHeSAbgc/EB1zFqy0ev79P1_k8QL4_Q/edit?](https://www.canva.com/design/DAFzHeSAbgc/EB1zFqy0ev79P1_k8QL4_Q/edit?utm_content=DAFzHeSAbgc&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)

[utm_content=DAFzHeSAbgc&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton](https://www.canva.com/design/DAFzHeSAbgc/EB1zFqy0ev79P1_k8QL4_Q/edit?utm_content=DAFzHeSAbgc&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)



One certificate should be given to each Boy in the team.

Prizes may also be given.



Communications

2023 Example Communications.

Email:

For the Juniors.... Billy Kart Derby

We will be gathering together with Boys from other companies on the 4th of November to race billy karts at Werribee Baptist Church from 1-4pm. This will be a wonderful event where Boys can compete with others from their company as well as Boys from other companies.

Boys will need to bring a bike helmet with them to attend this event.

Please go to this link to register for the Billy Kart Derby:

https://rego.bbvic.com.au/register/billy_kart?formid=128

(also see attached flyer)

SMS the day before:

Hello, thank you for registering for the WR Billy Kart Derby tomorrow. Please be at the Werribee Baptist Church carpark at 1pm.

What to bring:

- Bike helmet*
- water bottle*
- please wear casual BB uniform*

See you tomorrow!

Alex

Promotions

Here is the 2023 flyer, it can be accessed here:

<https://www.canva.com/design/DAFvcjUf7To/sGnkvBVSEKIBg-w4V3F3Q/edit?>

[utm_content=DAFvcjUf7To&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton](https://www.canva.com/design/DAFvcjUf7To/sGnkvBVSEKIBg-w4V3F3Q/edit?utm_content=DAFvcjUf7To&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)

GET EXCITED FOR THE

BILLY KART DERBY 2023

CHAMPIONSHIP

NOV 4TH
1-4PM

WESTERN REGION
SURE
BIB
STEADFAST
THE BOYS' BRIGADE VICTORIA

WERRIBEE BAPTIST CHURCH
225 HEATHS RD, WERRIBEE VIC 3030

REGISTER TODAY! [REGO.BBVIC.COM.AU](https://www.rego.bbvic.com.au)

Registrations

It is recommended that registrations be taken through The Boys' Brigade Victoria Registration Website.

www.rego.bbvic.com.au

The following information needs to be provided at registration:

- Time
- Date
- Location
- What to bring

The following information needs to be collected at registration

- Boy's Name
- Parent's Name
- Parent's Email
- Parent's Phone Number
- Consent for attending the event
- Photo Consent
- Any medical information pertaining to their participation

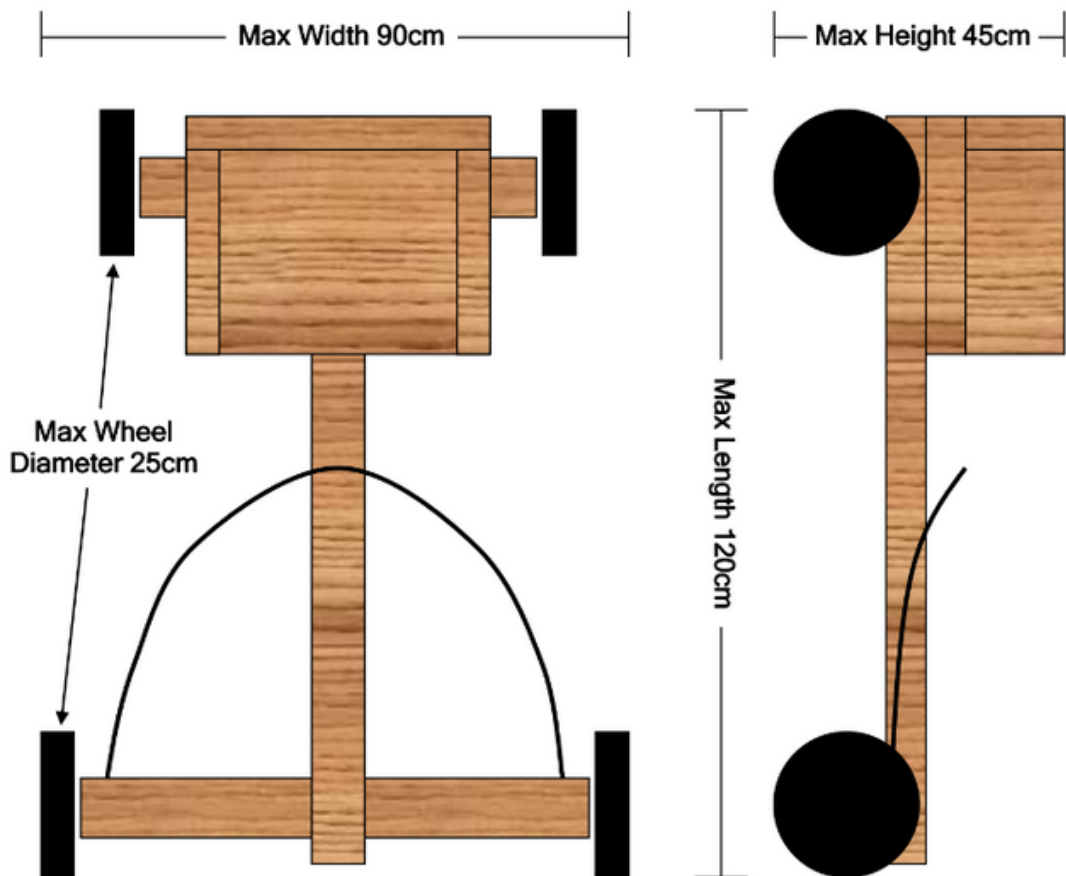
Kart Specifications

1. General Kart Specifications

- There are to be no portions protruding from the cart which, in the opinion of the scrutineer, are likely to cause bodily harm or considered otherwise dangerous.
- Carts must not be power driven or mechanically assisted.
- Steering mechanism must be sound.
- Brakes are optional.

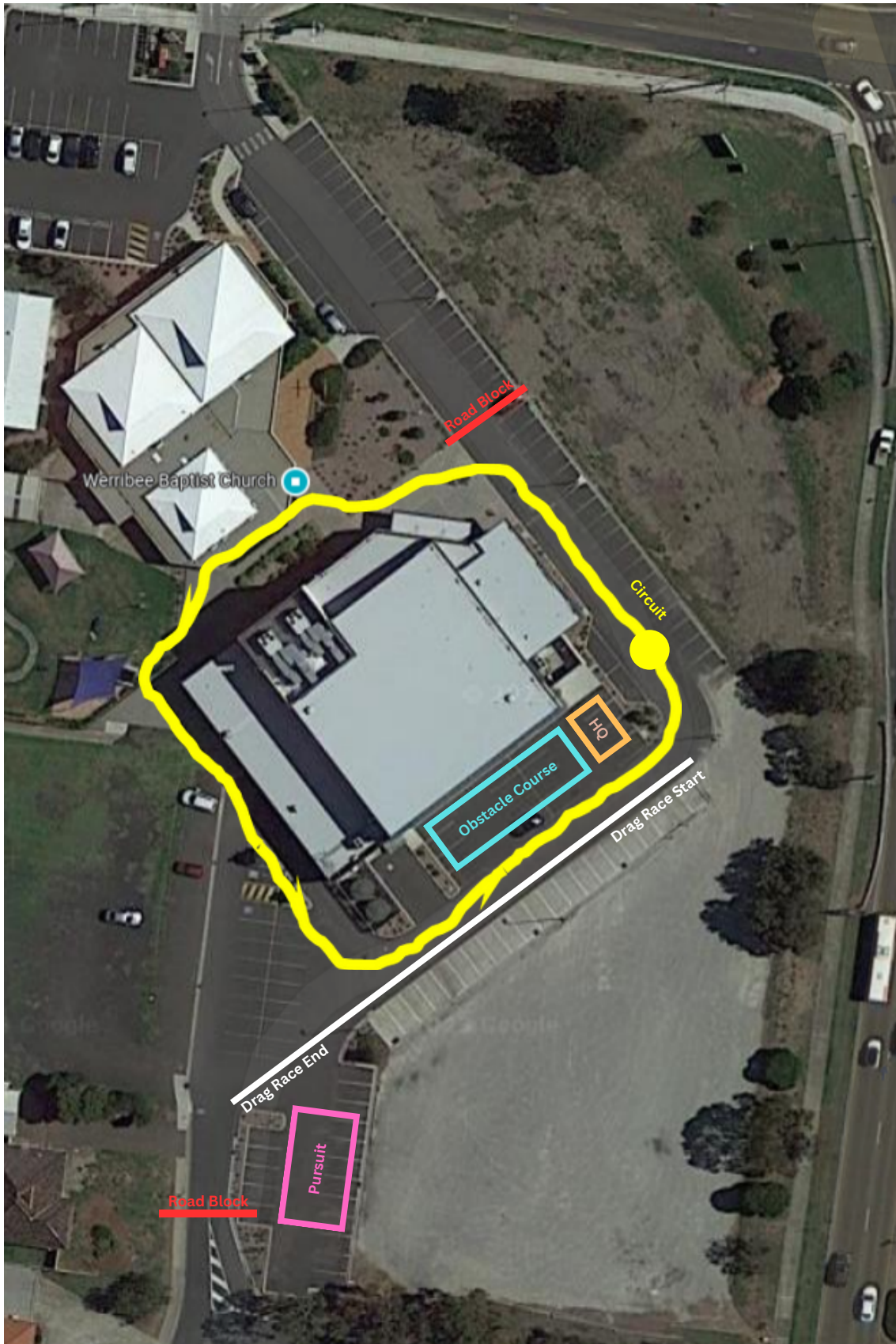
2. Kart Specifications (Soap Box)

- Dimensions of the cart must be as per the below diagrams.
- Chassis to be made from timber members
- All four wheels are to be made of sold rubber
- The cart must be able to be carried by the participating team (2 Boys) for 5m.



Example Map

Here is an example map of the 2023 Billy Kart Derby at Werribee Baptist Church.



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