

Aranui Grass Kart 2010

Team A

- Hugh
- Stephen
- John
- Ryan



Our Kart

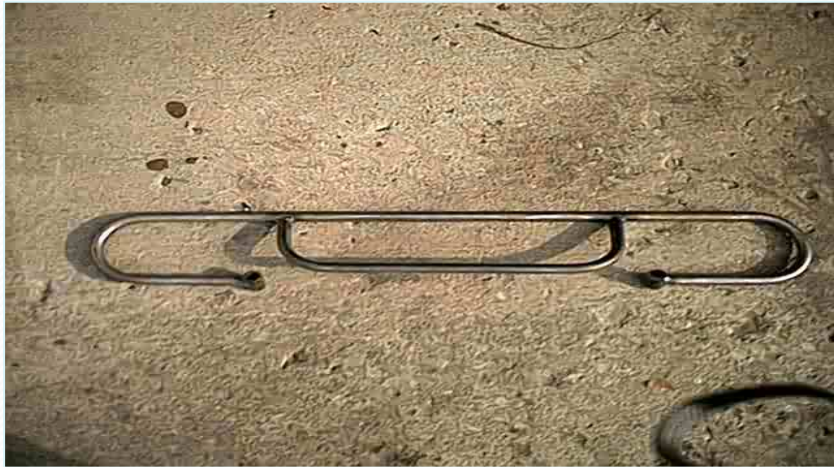


The beginning



- We started our year by buying the pre-tacked chassis and then we altered it to follow a similar design as the kart built by our school last year.

Our Idea



We changed their concept by altering the front and rear bumpers to our own specifications. The side intrusions Bars have also been adjusted to a different style. To try to save time racing we also added a kill switch.

Our Drop Out

- Michael was one of the main people in the building of our Kart. Due to unforeseen commitments Michael was unable to come down for the trip. We managed to get Ryan to join our team at the last minute to come down for the trip.

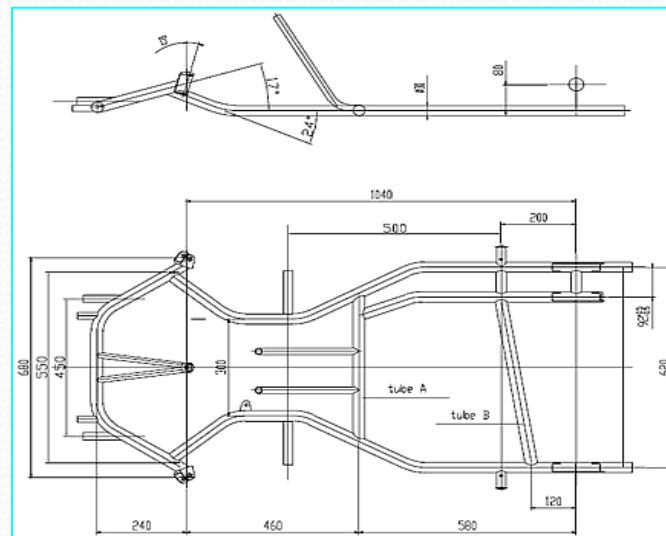
What we've enjoyed most

- Getting the Karts up and running has definitely been the most enjoyable part of the process. They have been running now for about a month and our teams enjoying using them most days.



What we've enjoyed least.

- The thing we've enjoyed the least this year was having to fix little things on the kart that mysteriously broke after we rode it. This meant we spent more time in the workshop and less time riding it.



What we've learnt this year

- This year we've learnt things including welding, grinding, bending metal and the intricacies of engines.



What we would do differently

- *What we would do differently, is order every part needed that we cannot manufacture ourselves. Instead of ordering each part as we need it e.g. nuts and bolts, steering column, stub axles etc. because sitting around waiting for parts to arrive is aggravating and puts us behind in time.*
- *Also next time, instead of welding it there when we think its correct, everything will be tacked until it is perfect.*

Our Advice

- **Be Patient!!!!!!**

Don't rush the process and make sure everything is correct before welding it on. This will save you time instead of grinding out welds and starting all over again.



Time Chart.

	Steering	Engine Mounts	Side Guards	Side Guard Mounts	Rear Axle Mounts	Rear Brake Mounts	Mud Guards	Tie Rods
Michael	2 ½ Hours	2 Hours	4 Hours	1 ½ Hours	7 Hours	3 Hours	½ Hours	5 Hours
John	3 Hours	1 Hours	5 ½ Hours	2 Hours	5 Hours	2½ Hours	0 Hours	4 Hours
Stephen	3 Hours	1 Hours	4 hours	0 Hours	6 Hours	2 Hours	½ Hours	4 ½ Hours
Hugh	2 ½ Hours	1 ½ Hours	5 Hours	2 Hours	8 ½ Hours	½ Hours	2 Hours	3 ½ Hours

PARTS

2x5" Front Tyres

2x5" Rear Tyres

1x Brake Calliper

4x Wheel Bearings

**2x Rear Wheels With
Rings**

1x Rear Axle

2x Rear Drive Hubs

1x Steering Wheel

4x Tie Rod Ends

4x Tubes

1x Throttle Cable

2x Rear Bearings

**2x Rear Bearing
Flanges**

2x Stub Axles

1x Steering Column

1x Seat

2x Axle Keys

1x Steering Bushes

1x Steering Rod End

2x Bearing Hangers

**1x Brake Disc And
Carrier**

1x Entry Fee

1x Chassis

TOTAL= \$1658.55