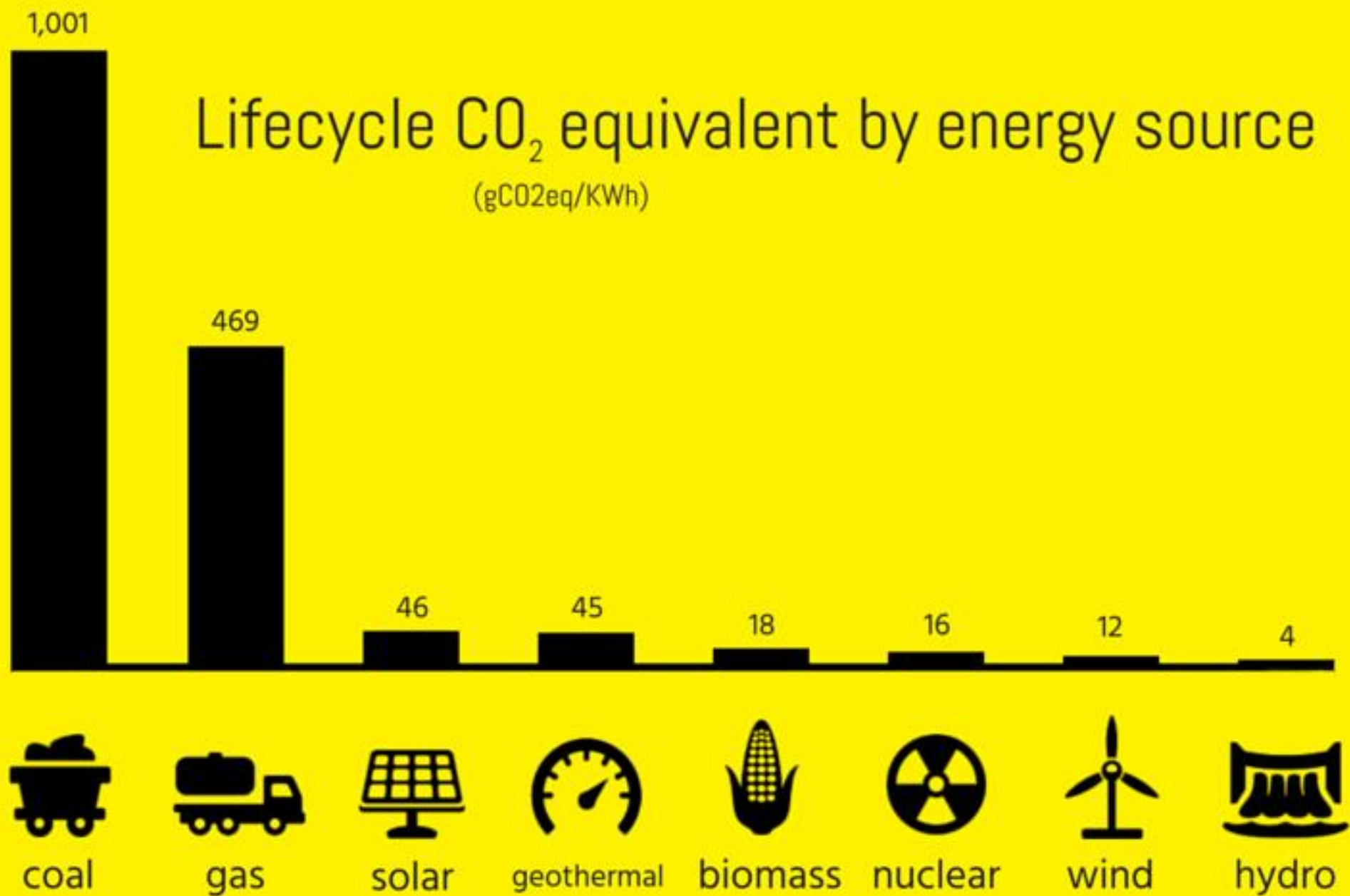




# ASSIGNMENT

DMCU 1233





### WIND POWER

Wind energy is generated by harnessing the power of wind to turn turbines and wind mills to generate electricity



Taps into the earth natural energy for electricity generation

### GEOTHERMAL ENERGY



### BIOFUEL

Derived from organic mass that makes up plants and animal manure to create electricity, transportation fuels and chemicals

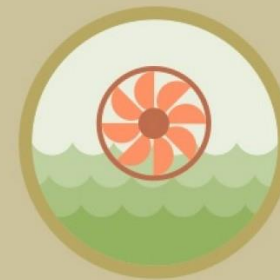


### SOLAR ENERGY

The sun hits the earth with 10,000 times more solar energy than is needed to energize the entire planet



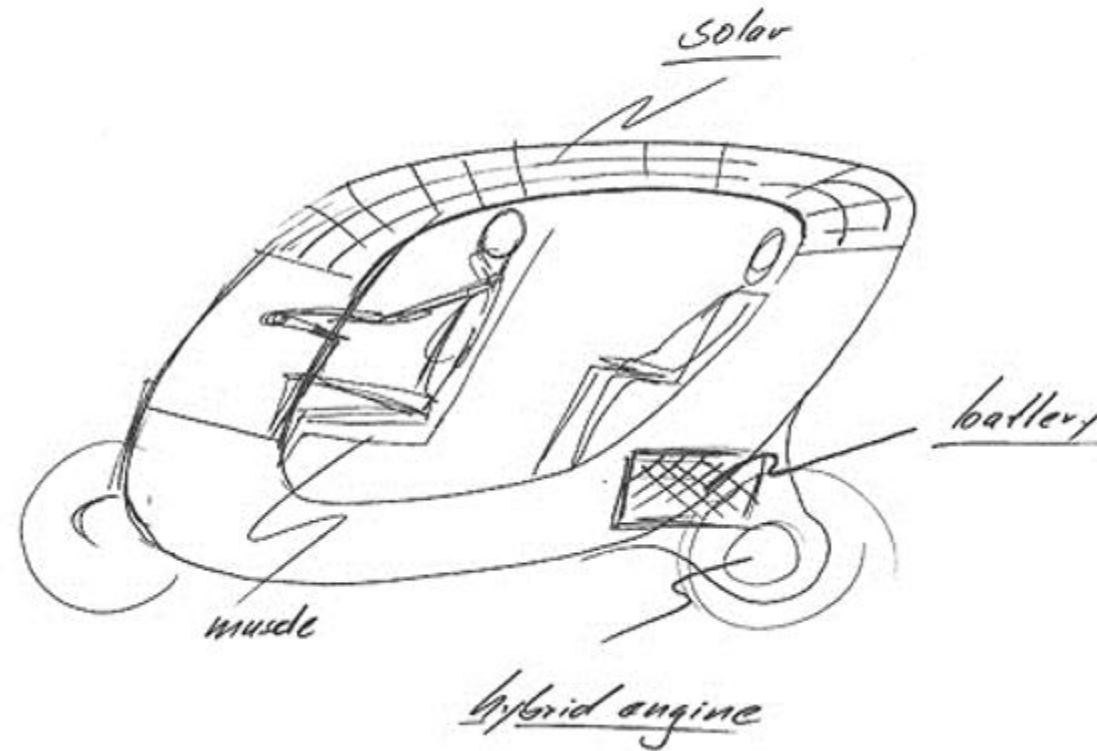
## 5 Major Types of Renewable Energy Sources



### HYDROPOWER

Harvested by turning the potential energy in the pressurized, dammed sea water to kinetic energy (electricity)

# GREEN ENERGY POWERED RICKSHAW



# TASK

Develop a mini rickshaw powered by **GREEN ENERGY**.

All materials must be provided by students.

Make a short video ( $\pm 2$  min) and post it on **YouTube**. Format: MP4, min 720p (HD).

# GROUP

16 groups (6 students)



## MATERIALS

Rickshaw body must be made by using at least 80% of waste materials (Eg. plastic, paper, etc). The design's concept is based on your own creativity. Each rickshaw must have an 'eye pin hook' at the back of the body (for Tug of War knockout activity)



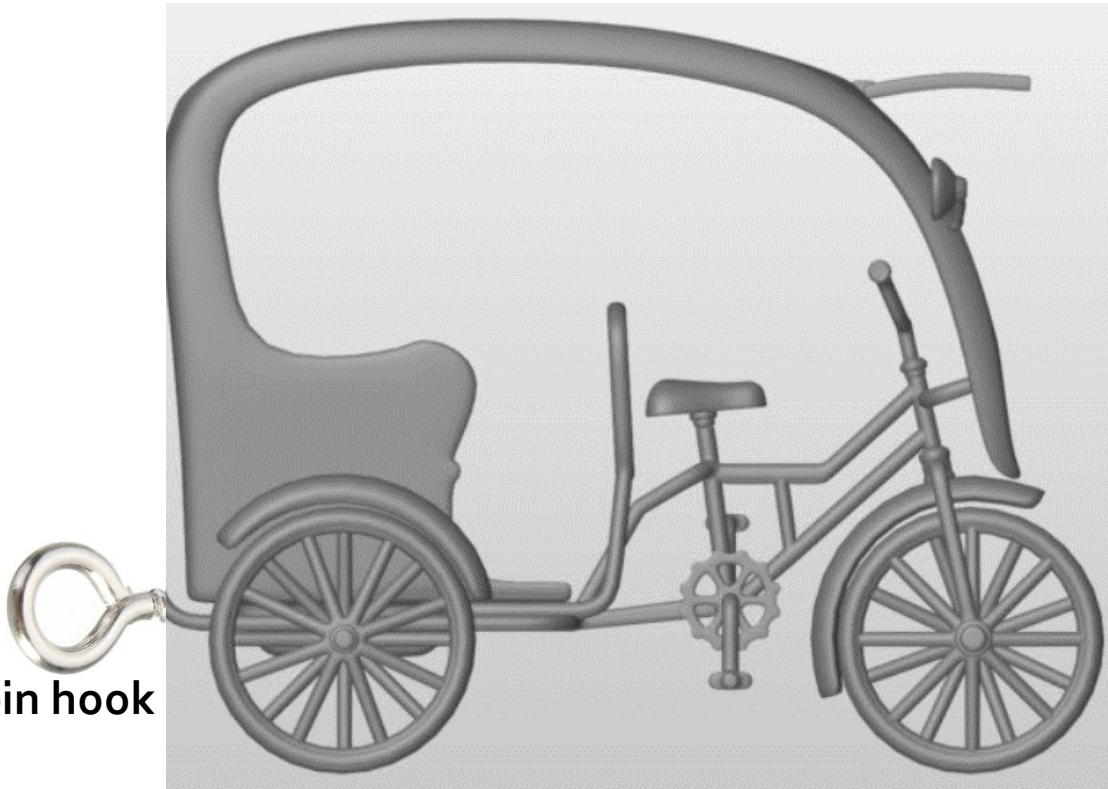


## VEHICLE SIZE

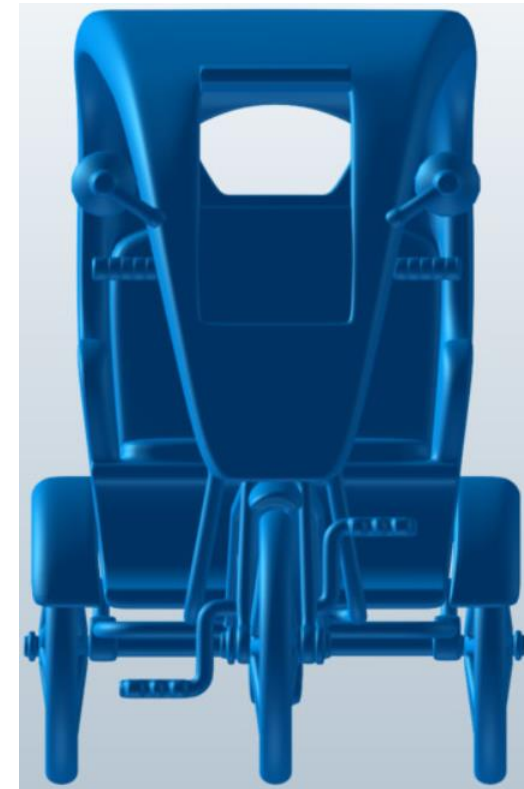
Length: min 12 cm to max 15 cm

Width: min 8 cm to max 10 cm

Eye pin hook



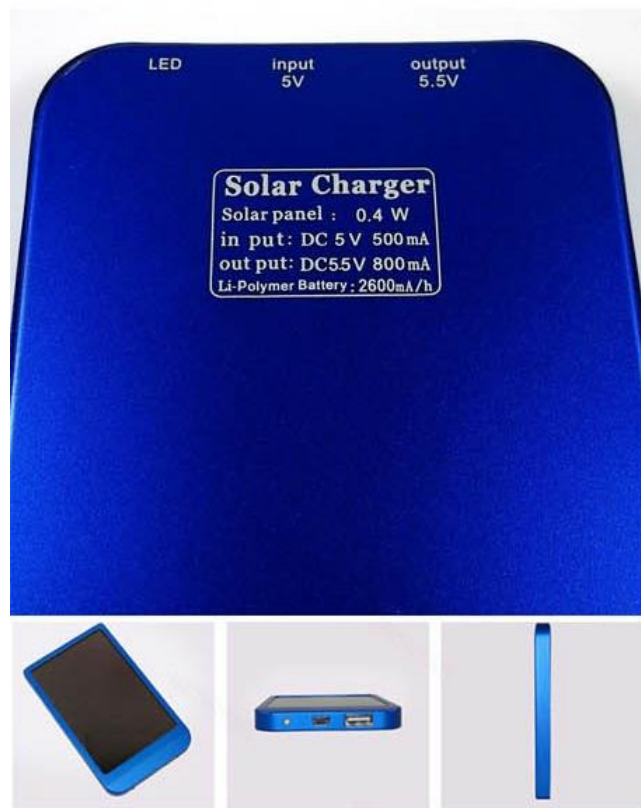
12 cm to 15 cm



8 cm to 10 cm

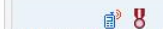






Seller: ykf

[View seller's other items](#)



Trust Level: 8 (9607: 810+, 100%)

[View Profile](#)

Since: Before May 2000



PM / E-Mail Seller



Favourite Seller [0]



Ask Question (0)

[All Categories](#) >> [Electronics & Appliances](#) >> [Solar Products](#) >

Portable Solar Power Emergency Battery Charger For iPhone 4S (Free Pos)

BM | 中文 | [Report Item](#)

Item ID : 184613700



Sale Price : **RM 12.00**

Shipping :

Peninsular: RM0

Sabah, Labuan: RM4

Sarawak: RM2

**Contact Seller**  
to buy this

[Add to Wishlist \(0\)](#)

Ship To

: Within Malaysia, ship by Courier Services, Self Collect, Others :, Poslaju

Item at

: Putra Nilai / Negeri Sembilan

Views

: 692

Payment

: Internet Banking, Credit Card, Bank Transfer, Cash on Collection (COC), Others :, CIMB

Method

: 3

Available Qty

: 3

Seller: beaulife

[View all 2298 items](#)



Trust Level: 8 (2302: 101+, 97.19%)

[View Profile](#)

Since: 14 Jul 2016

**Visit My Store**

Non GST Merchant



PM / E-Mail Seller



Favourite Seller [0]



Ask Question (0)

[All Categories](#) >> [Home & Gardening](#) >> [Light & Lighting](#) >

Portable Solar Power 3 LED Lamp Flashlight Torch Charger for Cell phon..

BM | 中文 | [Report Item](#)

Item ID : 184408102



Sale Price : **RM 33.20**

Shipping :

**FREE SHIPPING**

Combine Shipping allowed

**BUY NOW**

[Add to Wishlist \(0\)](#) | [NetPay](#) Accepted

Ship To

: Within Malaysia, ship by Courier Services

Item at

: China / OTHERS

Views

: 18

Available Qty

: 899

**NetPay** Lelong's Buyer Protection Program  
Your are covered when you pay with **NetPay**.  
[Learn more.](#)

Like

Share

0

G+

0

Tweet

## MARKS

Rickshaw design concept (Product) = 20%

Video = 20%

Race = 10%

Tug of War = 10%

Rank	Marks
Champion	10
2	8
3-4	6
5-8	4
9-16	2

## BONUS

Best Product Design: 2 marks

Best Video: 2 marks

Race Champion: 2 marks

Tug of War Champion: 2 marks

### PRODUCT (RICKSHAW CONCEPT DESIGN)

Creativity & Originality	2	4	6	8	10	<b>20%</b>
Green Materials	2	4	6	8	10	
Green Power Energy	2	4	6	8	10	
Design and concept	2	4	6	8	10	

### VIDEO

Content arrangement	2	4	6	8	10	<b>20%</b>
Attractive idea	2	4	6	8	10	
Time management ( $\pm 2$ min)	2	4	6	8	10	
Informative	2	4	6	8	10	

### RACE

Rank	2	4	6	8	10	<b>10%</b>
------	---	---	---	---	----	------------

### TUG OF WAR

Rank	2	4	6	8	10	<b>10%</b>
------	---	---	---	---	----	------------



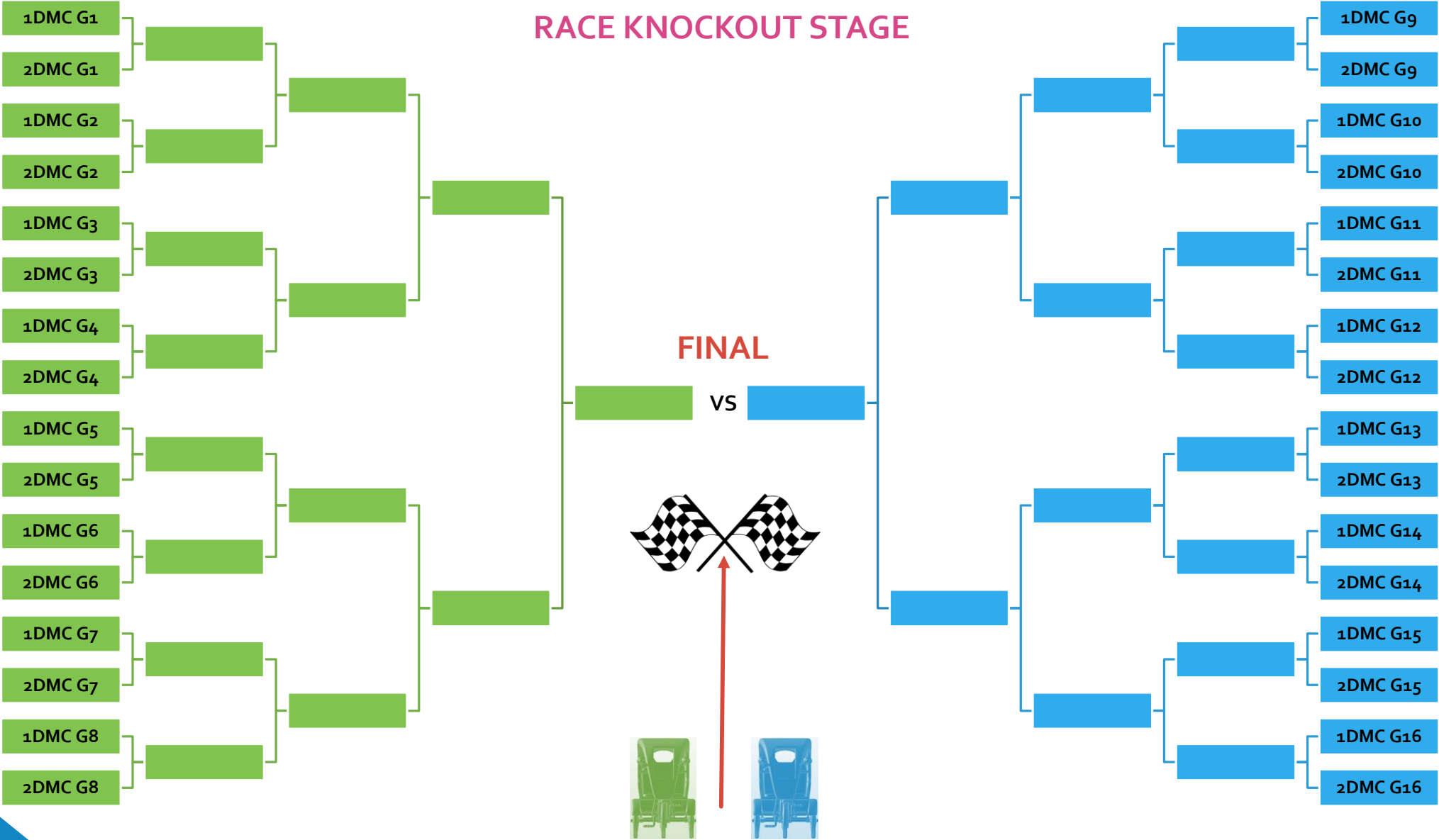
**1D**DMC



**2D**DMC



RACE KNOCKOUT STAGE



# TUG of WAR KNOCKOUT STAGE

FINAL

VS

