

YOUR NAME: ARISSA AIYNA SHAH BT. AZLAN SHAH

STUDENT ID: 0833681

FOUNDATION: FID | FIA | FIS | FNBE

TUTORIAL LECTURERS: MR CHARLES | MR CHOY CHUN WEI

MS FU YEN HUE

PRODUCT NAME: Zoetrope

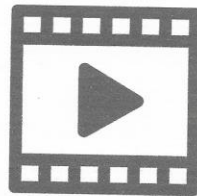
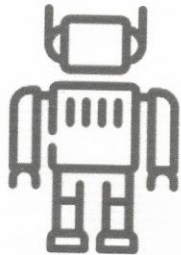
GROUP NAME & MEMBERS NAME (IF GROUP WORK):

1. Hanan
4. Khirtana

2. mathu
5. carla

3. Arissa

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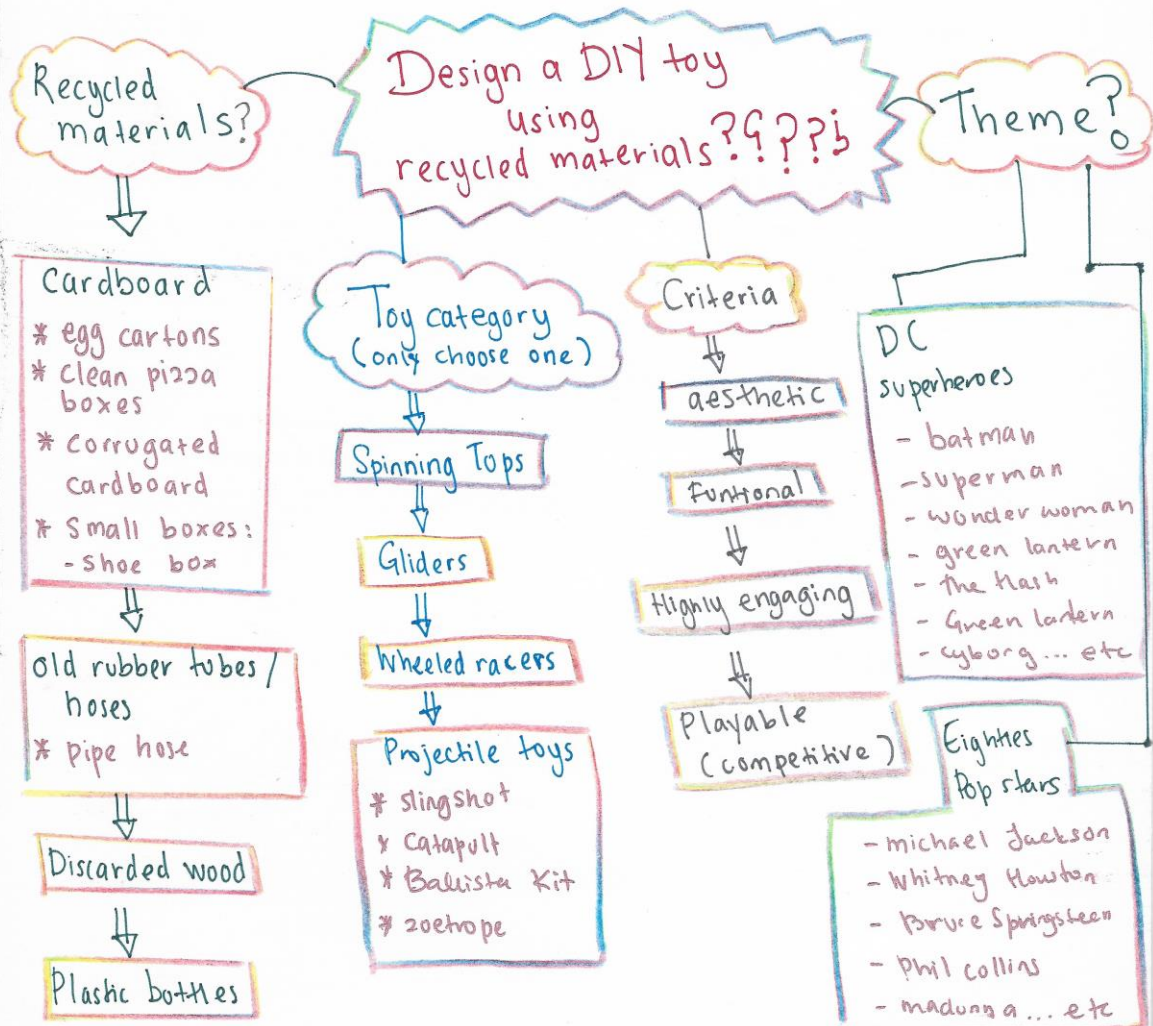


01. ASK! What are you supposed to make?

(Do ask questions and find the answers. Make mind maps and categories your findings. 1-3 pages. Hand drawn and write but may include some digital images)

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+ THINK



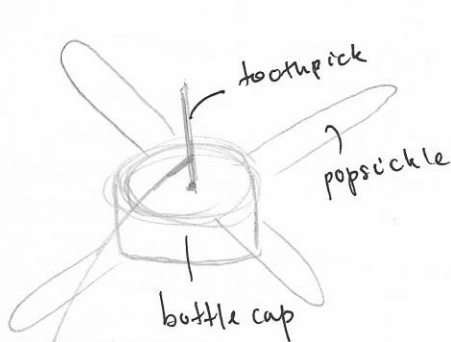
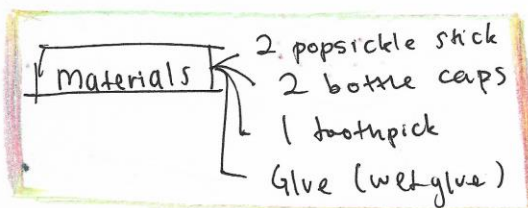
02. Examples of ideas and related info that inspire you and related to the assignments. (Why & how these examples inspire you? Justify and elaborate on each examples. Identify the interesting components. Give a conclusion for each of the examples – why and what makes it interesting – and how it could help your final product. 1-3 pages *provide images" or links

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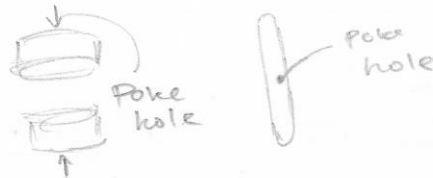
① Spinning Top



Can even use lollipop stick
any stick

How to make?

- ① Poke a hole through the bottle caps & in the middle of the stick



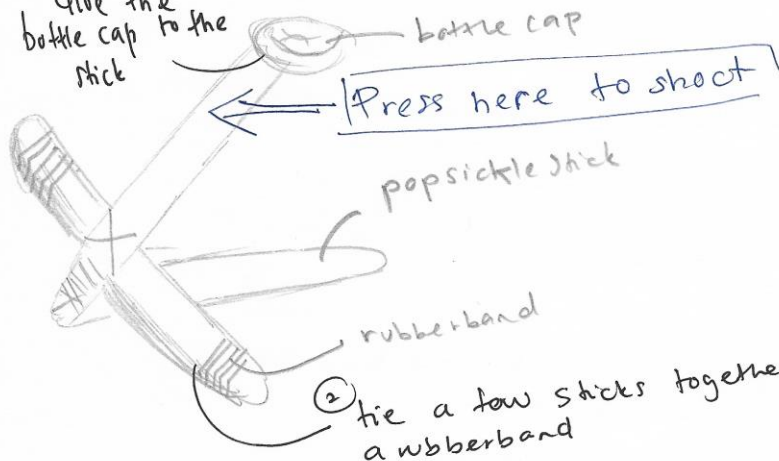
- ② Glue the popsicle sticks in between the bottle caps then stick the toothpick in.

* Spinning Tops comes in all shapes and sizes but this is the quick & easy way to create!

② Popsicle Stick Catapult

Materials	[	bottle cap
		popsicle sticks
		rubberband (a lot)

① Glue the bottle cap to the stick

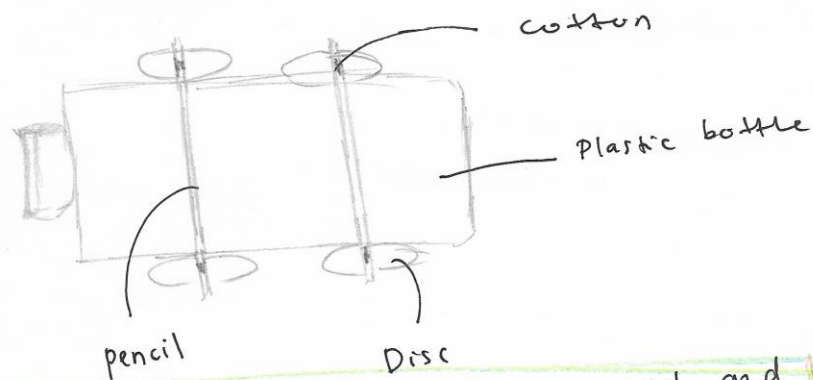


What objects shoot the farthest?

pingpong balls
marshmallows
pom-pom ball
eraser

To make it fun, add a target or a competitive goal and now you have a game.

③ Toy Car



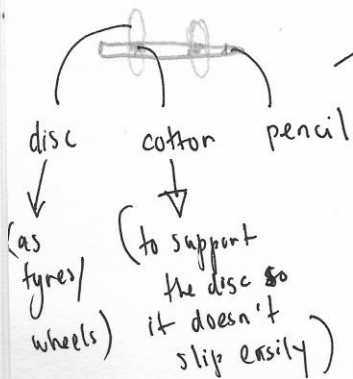
This is how "waste" can be re-used and made into toys like this plastic bottle toys.

Steps

①



Poke 4 small hole then put the pencil in the hole.

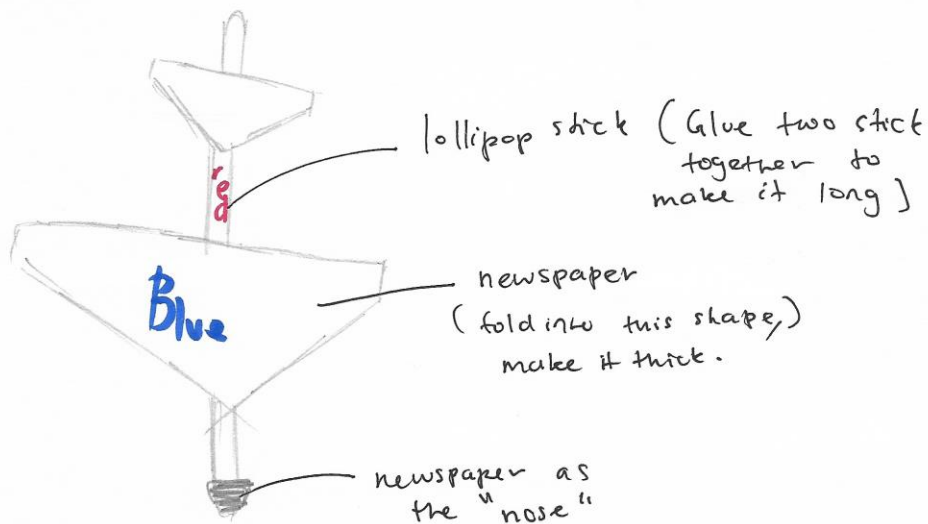
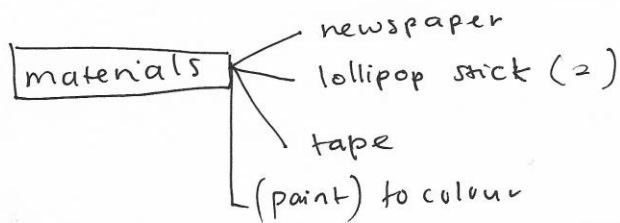


Use a cotton to wrap the pencil and then slide the disc in

Conclusion

Not much materials needed.
Good for last minute work 😊

④ Paper Glider



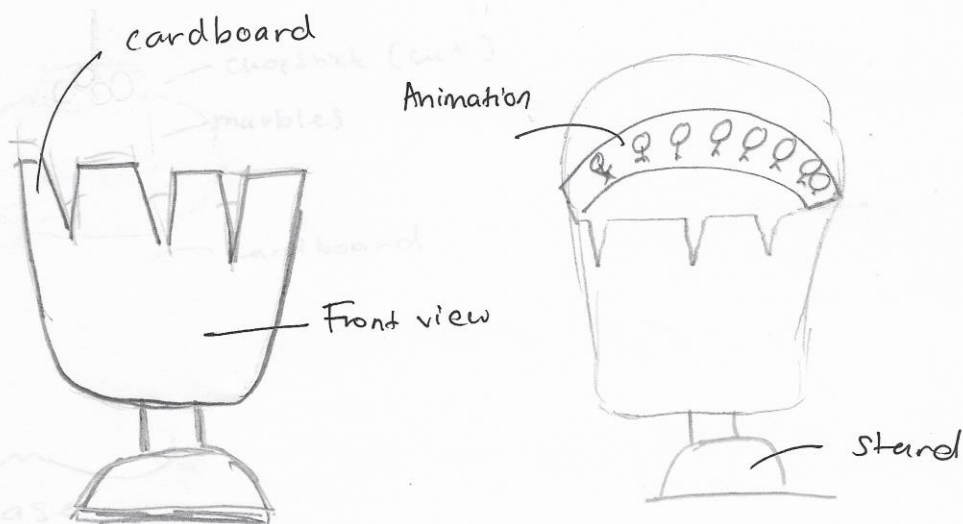
Paper Glider?

easy to ~~plane~~ build
plane that flies
high

Fun Fact

— Easy but functional
structure! this method
is one of the
best.

⑤ Zoetrope



Zoetrope? Animated series of images when spun.

WHEEL OF LIFE

It creates illusion

It creates an interesting story in a line when it spins. It was created since 1830's.

(best idea) ~~this~~ this could most probably help me get marks.

materials needed



Cardboard, paint, paper, marbles, chopstick / toothpick, playdoh / used tictacs, many more recycled items to decorate, wet glue, dry glue

6

Mini Paper bow

Materials

newspaper

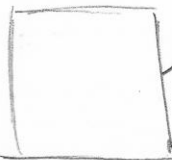
tape

string

chopstick (bullet)

Steps

- ① cut the newspaper into a square shape then roll it.



the bigger paper the better

roll from the corner

- ② Tape the middle part



Secure by taping the middle part.

- ③ bent the paper a little bit till it becomes like this → the tie the string on both corners



ready to play

- ④ Use the chopstick to shoot

can shoot lizards too!



chopstick

03. What are the 3-5 ideas that interest you most?

Describe and elaborate your ideas here.

(Make mind maps on each ideas that came up. Consider and elaborate on each ideas. 1-5 pages. Hand drawn and write but may include some digital images)

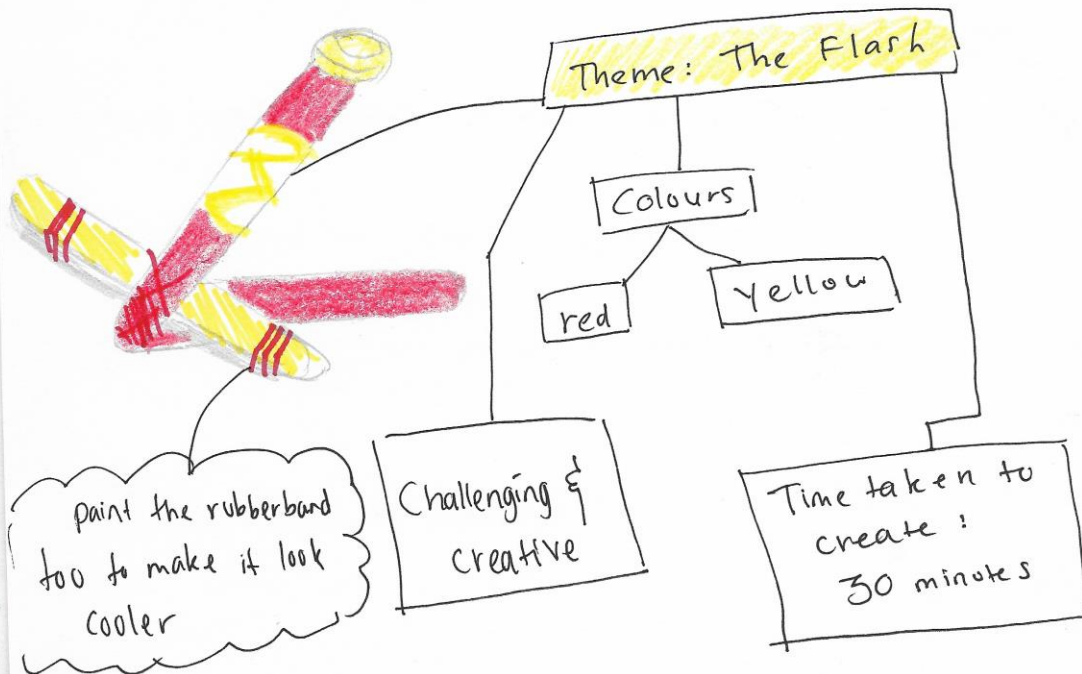
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①

POPSICKLE STICK CATAPULT



The Flash Catapult

Can shoot & aim the food into kids mouth to make it fun.

Type of food:
marshmallow,
chocolate,
gummy bears,
bubble gum balls

② Paper Glider

Paper Glider
Theme:
Superman

Colour needed:

Blue : Paint the newspaper
blue (the wings) & the nose

Red, yellow, black : The logo

Red : The lollipop stick

Time taken to create:
20 mins + + +

How to play:

Shoot the plane
into the air

Will most probably
last ~~10~~⁵ seconds
in the air



Nose weight

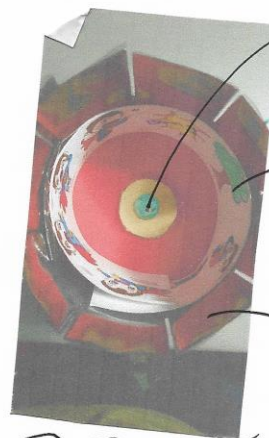
③ Zoetrope



Chopstick
marbles
cardboard

the base

we add the marbles
to make it strong and
to spin easily



To hold
the zoetrope

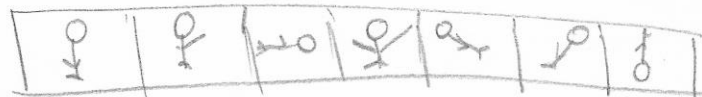
animation

The wall

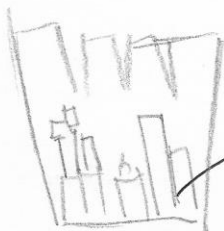
Inside view

draw 7 images

(6.5cm H, 4.7cm L)



(different movement)



wall : DC CITY

Animation : Batman, Superman

04. Refine your selected final ideas. Explain how you make your final decisions etc.

(Sketch up the final product. Write why you choose to make what you are making. What are the "DETAILS" that makes it interesting or working. What is/are you main consideration or aim of your final product ideas. 1-3 pages)

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The Zoetrope



I choose to make the zoetrope because I think its the coolest. Even my group member agreed on making it together. It is a very interesting toy because it creates the illusion of moving object when you spin it. It is basically like a story depending on the animation. It is like a "magical" toy because of the illusion.

Aim of final product :- Illusion is obvious,
- Strong base (when spin)
- not to dull
- Turn it into a story in a line

05. In less than 100 words describe your final product and the briefly about the idea development CTS | JAN 2018 | IDJ:

Zoetrope is known as a vintage toy. A zoetrope is an invention that creates the appearance of a moving picture. It has seven different image on the paper that creates an illusion when it spins. It is also known as "wheel of life". We decorated the zoetrope wall with DC buildings. For the animation, we did different type of heroes to see which is the best.

Provide a picture / sketch of the final product:



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