# Table of Contents

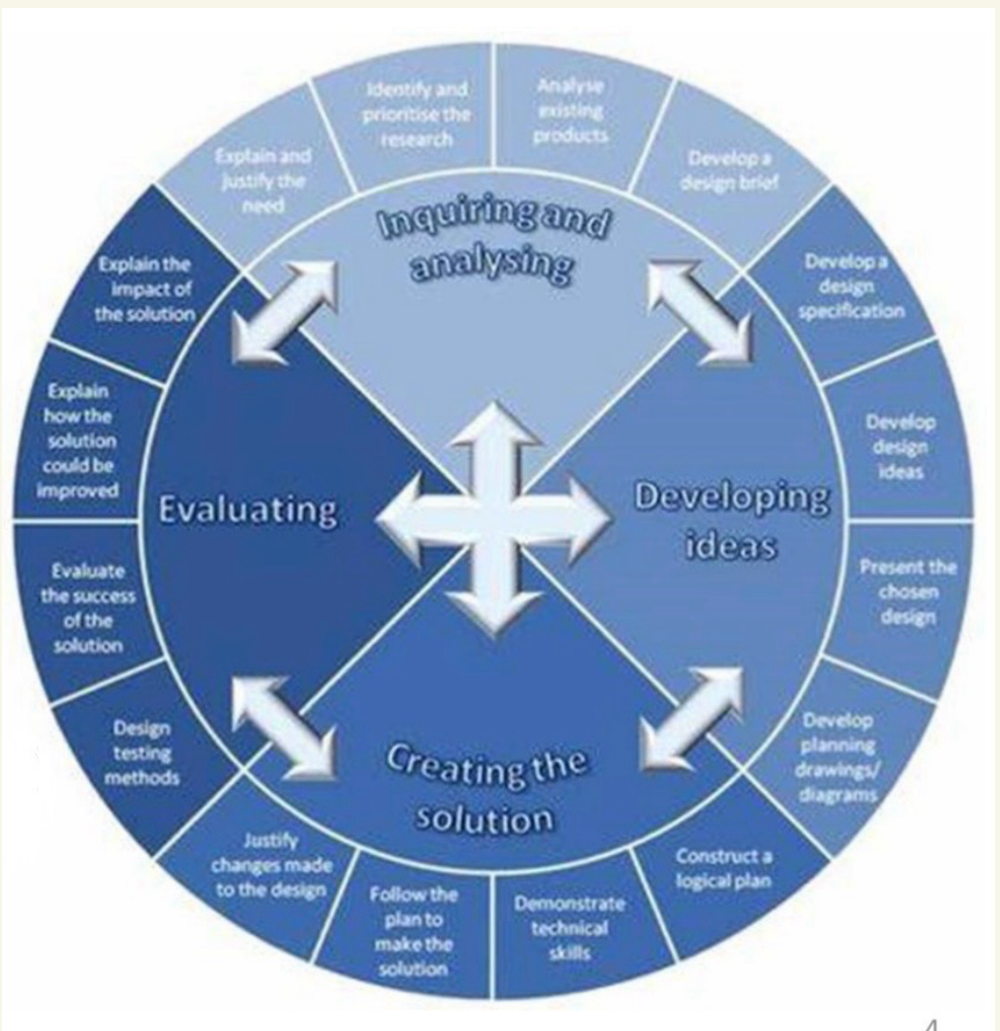Content                    Page

Inquiring and analyzing

EMPATHY - THINK, PAIR, SHARE

What does home mean for you?
Use your five senses -
What does home feel like?
What does home taste like?
What does home smell like?
What does home sound like?
What does home look like?
If you had to leave home and take only a suitcase of possessions with you, what would you pack and why?
What would you not be able to take with you but want to pack?
My answer is this:

1.shelter

2.

 -safe

-food

 -yummy food

-podcast

-pretty (at least my bedroom is)

 3. My teddy bear,money,family,things important to me,daily needs and ipad.
 4.decoration from my bedroom,art that I made.

I researched and found some data:
REFUGEES DATA

1.why are so many refugees comes from
Afghanistan,Syria,Sudan,Myanmar and Somalia?
These countries are often affected by war, unrest, and conflict, leading
to the displacement of their citizens.(from Bing.com)
2.how many refugees are children?
47 MILLION are children(according to UNHCR)

I think that is a really big number so I think making toys for the
children's will be really effective.

If I am a refugee, and a police officer said no more refugees so I can't
go into other countries too escape the war :

I will be very sad and angry since we don't have shelter,food and water.
but on the other hand, we cannot fight the police officers since he have
weapons. I will be really frustrated and go miserable.

NO MORE WARS!


## UNPACKING THE SUITCASE


Imagine you are a primary school aged kid.

I would have my teddy bear Cindy and polar bear Snowny ,my
clothes ,my toothbrush, water bottle,toys like fake food to feed
my bears.because toys are important things for me.Playing is
important for children since they need other company than
parents to feel safe.

Refugees in various camps around the world create toys from discarded materials.

For example, in Uganda, South Sudanese kids make toy buses out of boxes from the World Food Program. In Bangladesh, children use bottle caps, bits of plastic, and even a small AA battery to create toys.

some question to to research:

Does it require batteries?

Is it easy to break?

Does the toy need instructions?

Does it make reference to a particular TV or movie character?

Does it promote violence?

Is it culturally sensitive?

What age is it suitable for?

Is it safe?

What do you think of these products?

How do they help?

1.some toys requires battery .

2.I think it is probably easy to break.

3.I don't think so ,because it needs to be simple.

4.some does

5.I think some does.

6.maybe
7.If it is promoting violence ,I don't think it is suitable for any age .
8.some is
9. bad quality and badly handmade
10. some makes children feel safe and happy.

https://www.nationalgeographic.com
https://www.wfpusa.org



DESIGN BRIEF

The toy needs to :

be safe for refugees to play
not culturaly sensitive
makes children feel safe and happy
helps with mental health
don't promotes violence
suitable for age 6-12
not too big ,to make more easy to take
can be produced using 3D printing technology
is durable and safe for long-term use
considers limited resources in refugee settings(example: no battery needed)
promotes positive play experiences
(maybe)reference to a particular TV or movie character
impact the children by making them feel like home,and have company
made for both gender(but more for girls)
good looking
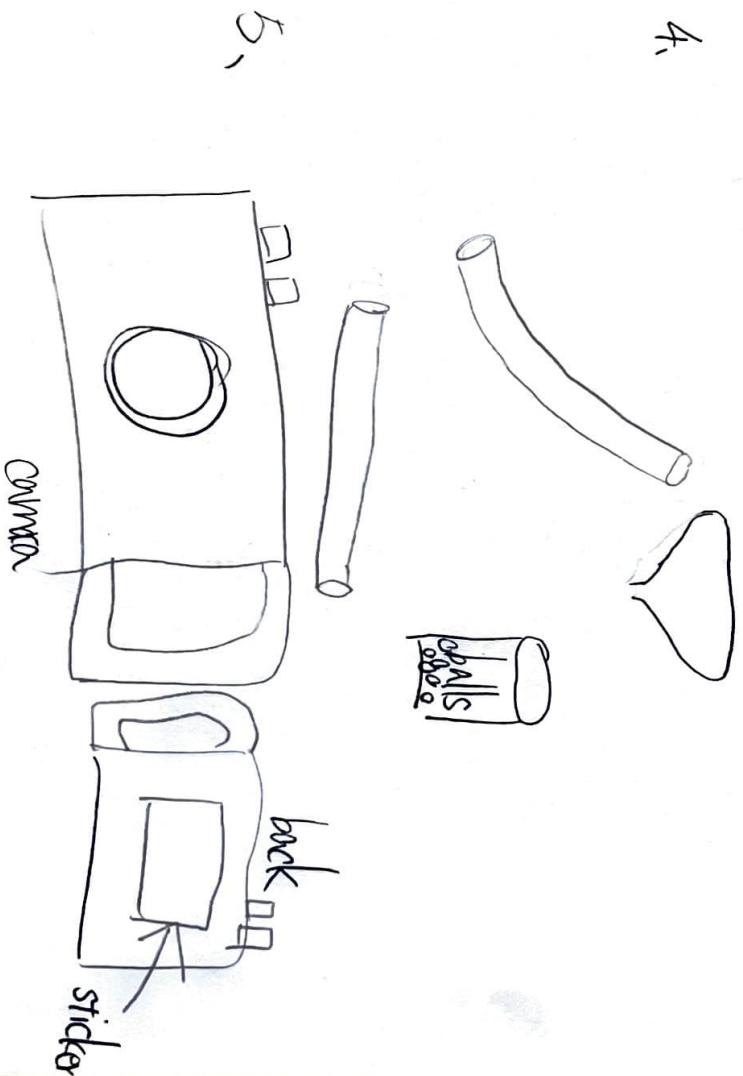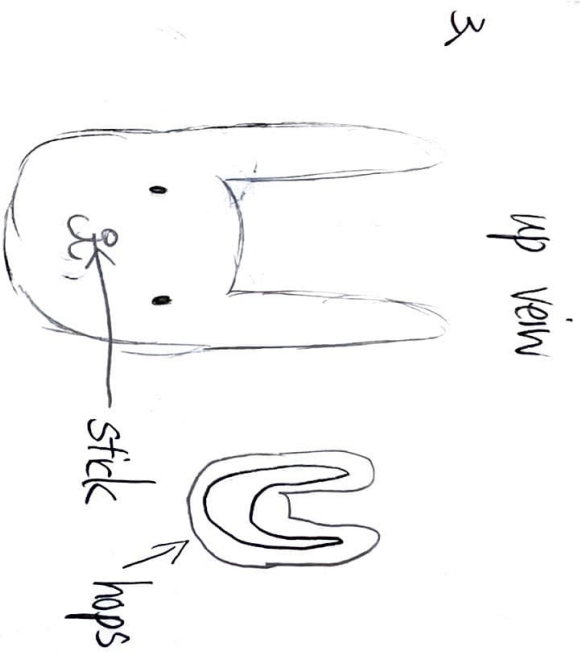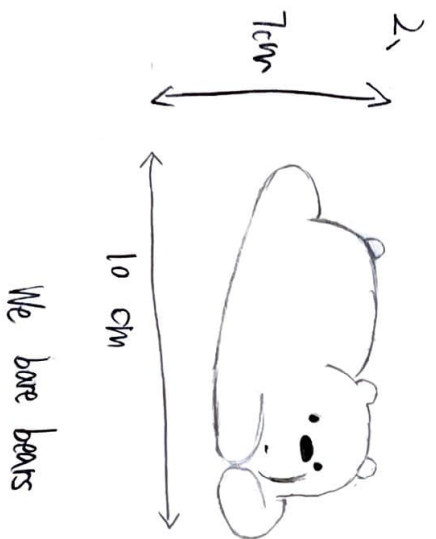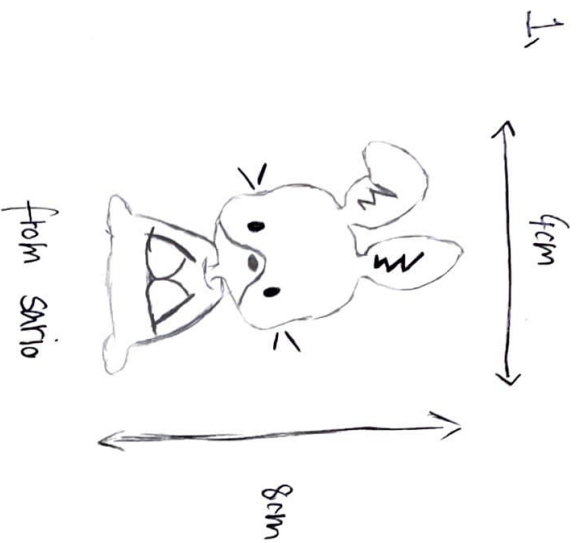cheap
moveable(maybe)
colorful

## DESIGN SPECIFICATION

*be safe for refugees to play(feel protected)

*not culturaly sensitive(to any religon or tradition )

*makes children feel happy (smile if it is fun)

*don't promotes violence （nothing about war, knifes, gun or more）

*suitable for age 6-12

not too big ,to make more easy to take(maximum 15cm15cm)

*can be produced using 3D printing technology

*durable and safe for long-term use(not easy to breakin about 3~5 years.But may be I can't test it.

*considers limited resources in refugee settings(example: no battery needed)

*(maybe)reference to a particular TV or movie character

*impact the children by making them feel like home,and have company (happy)

*made for both gender(but more for girls)

*good looking (from my opinon)

*cheap (maximum 10~20 yuan)

*colorful

I think all these are suitable for the SMART.

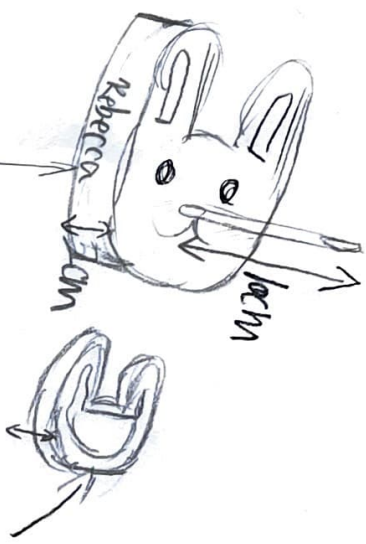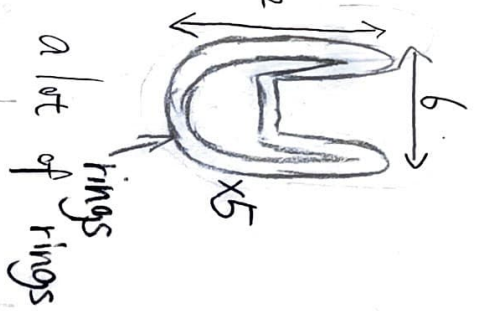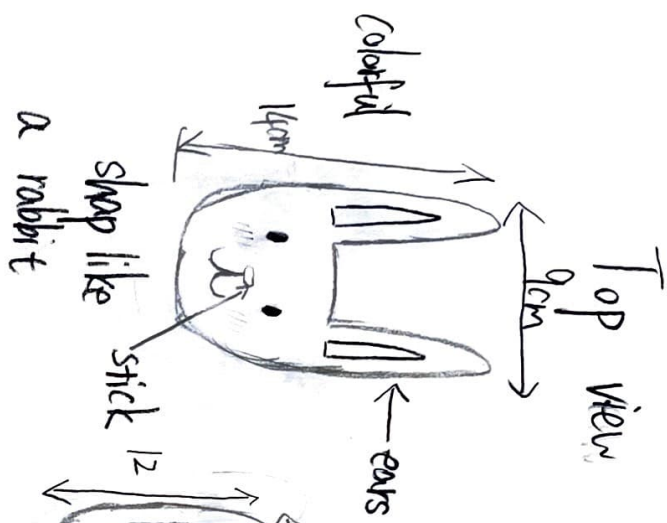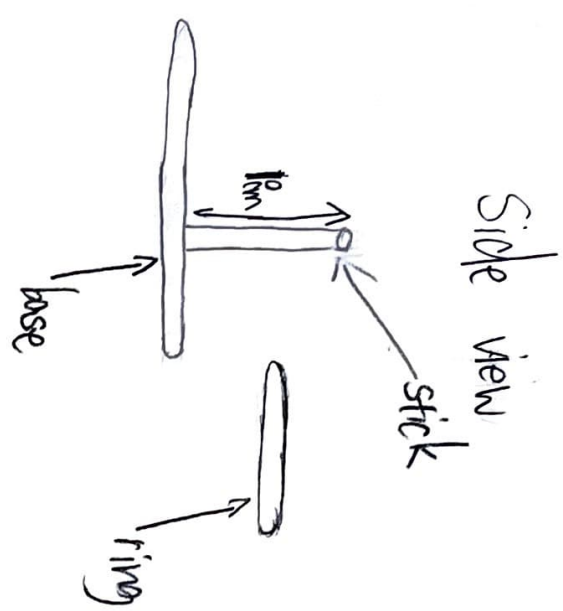S Specific
M Measurable
A Achievable
R Realistic
T Testable

# Ideas

**1.**

4cm

from Sanrio

8cm

**2.**

7cm

10 cm

We bore bears

**3.**

up vein

**4.**

stick

hops

balls

**5.**

canvas

back

sticker

I choose this design because, I think it is fun, cute and achieving the design speacifiction.

My choosen idea is number 3

My Design in Specific

Side view
1cm
base
stick
ring

How To Use: Tran the hoops into the stick from far away and eat the "food" inside if you're hungry.

3D View

Top view
9cm
colorful
14cm
ears
shap like a rabit
stick
12
6
x5
a lot of rings

Cap/box
from
sank in
use magnet to close the box
in the box have different shapes
rebecca
Jean
box that can open to put things inside
ring in rabit shape

9

# 3D printing spices

Slice Result

| | |
|---|---|
| Printer Type: | X-MAKER |
| Layer Height: | 0.18mm |
| Model Size: | 90mm*140mm*50mm |
| Time: | 0d17h22m |
| Filament: | 57211mm(171g) |

Layer: 280

View   Settings   Help

Model View   Save   Print

Slice Result

| | |
|---|---|
| Printer Type: | X-MAKER |
| Layer Height: | 0.18mm |
| Model Size: | 90mm*140mm*119mm |
| Time: | 0d9h9m |
| Filament: | 36430mm(109g) |

Layer: 663

# Thinkercad images