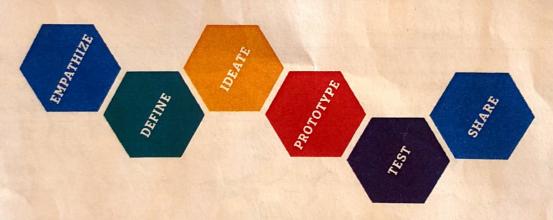
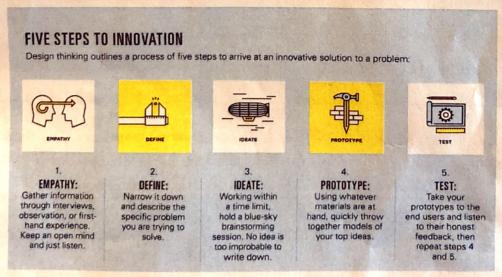




Design Thinking with EXTRAORDINAIRES





Group Members: Ma Mia Alethia

Extraordinaire (front, bottom right): Merman

Empathize

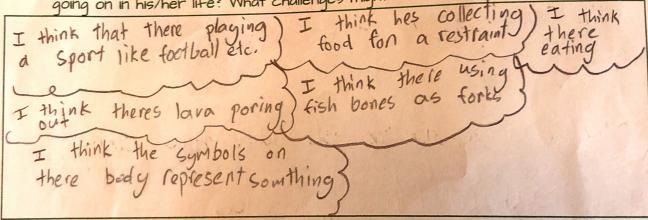
SEE

What do you see? Describe the Extraordinaire's physical appearance, environment, what he/she is doing, what others are doing, etc.

		what her site is		à
	1	(1)-1	wheel fins sand sand	1
Merman)	Butterflies	castle lingt (colored) seawead hair	
water	1		Los India	
and d)	Parrots) Silver	
food	1	Bugs	moss color	
animals			Science c manages	1
plants	1	dock	2 docinas (on mer peop	١
Plants	1	fish	acting (coop and red)	١
Pipes	1	Bridge	desings (on mer people and red)	
. 1	1	rocks		The same of
fish bones)		S white line	
110110	/	Bubbles		

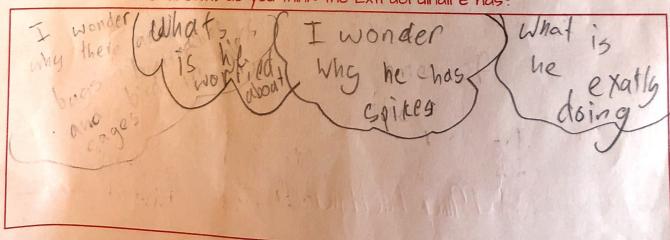
THINK

Based on what you see, what conclusions might you draw? What do you think is going on in his/her life? What challenges might the Extraordinaire face?



WONDER

What do you now wonder about the Extraordinaire? What do you think keeps him/her awake at night? What do you think he/she most enjoys doing? What hopes & dreams do you think the Extraordinaire has?





What type of object does your Extraordinaire need created?

COOCKING Utensil

Ideate (Research Cards)

Thinking about the type of object your Extraordinaire needs, complete a list of 5 possible ideas. Next to each idea, write how the idea could help the Extraordinaire.

	Object Idea How could this object help him/her?
1	Altrih one ctensiss of theworkful delpt them eat
	closinge Plate Sthis will be a serfice for them took
	refrigator stove keep things warm or cold and or
	Seeweerd cup a cup that you can eat
	never dividying a narkin that never gets dirty or not
	Now, get a Research Card. Write the question(s) below:
	what does this object do for the extradinare that they could not do before.
	Our thoughts about and answers to this question:
1	I will help ear mings ear
	it will help cut things eat cook things and dig things up to
	Next, get a second Research Card. Write the question(s) below:
	What is editifient about moun
	extrodinare destal 1900
	Our thoughts about and answers to this question.
	Their under water were on land
	Here on land
	Page 2

Instead



Based on everything you've answered on pages 1 & 2, sketch and label prototype 1: Now, get a Design Card. Write the question(s) below: How will wour design be stored when not In use? Does it need to change size, shape or color when not in use? Discuss the question(s) on your Design Card. How might your prototype design change because of your answers to these questions? will shrink when not in use. it does need to shrink-Next, get a second Design Card. Write the question(s) below: desing do one thing really well.

t would the extraord extraordinar Discuss the question(s) on your Design Card. How might your prototype design change because of your answers to these questions Our desing will do one of things

The extradinare would prefer

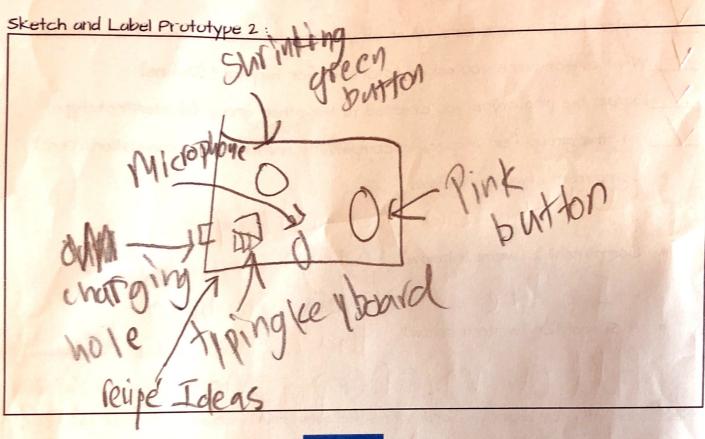
really well.



Directions: Complete the checklist below with another gi oup.
/ - Ling the Extraordinaire. What did you see, think, and wonder? (Empathize)
What object were you asked to create for him/her? (Define)
Explain the prototype you created to the other group. (Ideate/Prototype)
Ask the group for 2 specific compliments and 1 specific suggestion. (Test)
• Compliment I (write it below):
I like how you notked the
· Compliment 2 (write it below): USING CBh Cones
I like now pour noticed
· Compliment I (write it below): I like how you notked Compliment 2 (write it below): USING Fish bones I like how you notked Them bones A suggestion (write it below): that there cating lete
FOUR MICHOPHONE TO OF FOOD
Next, look at your Improve Card. Write the question(s) below:
What other job can
you make your desing the Extraordinal
do for the Extraordinal
iscuss the question(s) on your Improve Card. How might your prototype design
change because of your answers to these questions AND the feedback you received from another group?
Hua 1 L 1
Have a button to shrink the Box and have a chain so
Box and have a closin so
h continue of continue
They leder have it from
they leden harge it from
+ Ginos. Page 4
I MINOS.

Prototype - Heration 2

Using the feedback you received from another group and your answers to the Improve Card, modify (change and improve) your original prototype.



Share

What is the name of your final product?

All in one coocking utensil

Time to practice! Prepare a presentation to share each stage in this workbook.

How did your final prototype change from prototype 1?

typing board reize ideas key Doard/Microphe
(Warging hole
What about this design makes you the proudest?

Typing boald.