

Design Thinking Notetaking Packet



Sds.parsons.edu

Name: _____

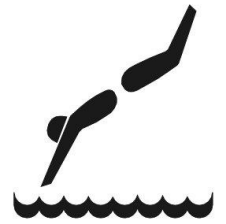
What is Design Thinking?

We are all designers!



linkedin.com

Step 1



Clipartpanda.com

Immersion

- _____

- _____

- _____

- _____

- _____

- _____



LET'S GO OUT AND OBSERVE!



Directions: Visit a friend's locker. Record your observations below.

List words you would use to describe the locker:

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Separate your words into two groups and give each group a label:

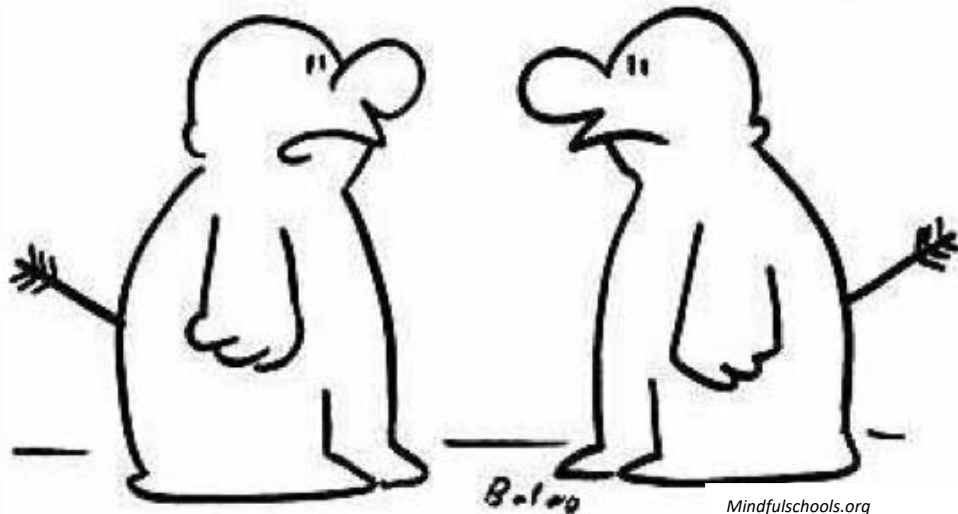
OBJECTIVE

SUBJECTIVE

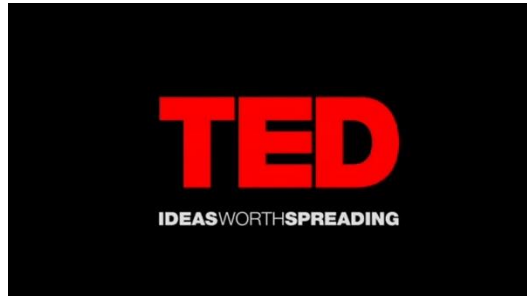
We must be aware of how we are observing.

Is our data objective or subjective?

EMPATHY



"I know exactly how you feel."



Transforming Healthcare for Children and their Families:

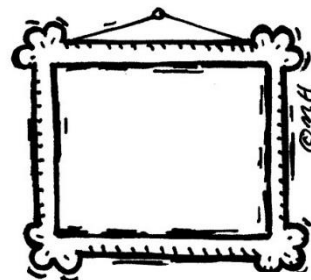
The Story of Doug Dietz

REFLECTION:

How did empathy play an important role in the design of the MRI machine?

Why do you think empathy is part of the design problem solving process?

Step 2



Cliparting.com

FRAME

- _____

- _____

- _____

- _____

- _____

- _____

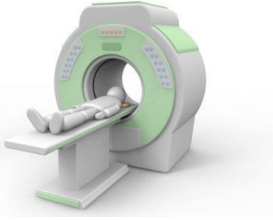


Shopping Cart Challenge

All-free-download.com

HMW.....? *(How Might We?)*

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____



Uk-da.com

MRI Machine Challenge

HMW.....? (How Might We?)

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Step 3



IMAGINE

- _____

- _____

- _____

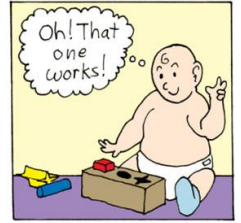
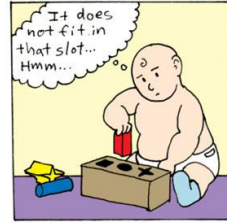
- _____

- _____

- _____

“YES, AND...”

Step 4



wallscover.com

PROTOTYPE

- _____

- _____

- _____

- _____

- _____

- _____

Share prototypes and talk to the people in your community.

This is a continuous process!

Let's Practice Prototyping!

Marshmallow Challenge

Build the Tallest Freestanding Structure



- Teams of Four People
- Eighteen Minutes
- Using the Following Ingredients



20 sticks of spaghetti

+



one yard tape

+



one yard string

+



one marshmallow

THE RULES:

- **Build the Tallest Freestanding Structure:** The winning team is the one that has the tallest structure measured from the table top surface to the top of the marshmallow. That means the structure cannot be suspended from a higher structure, like a chair, ceiling or chandelier.
- **The Entire Marshmallow must be on top:** The entire marshmallow needs to be on the top of the structure. Cutting or eating part of the marshmallow disqualifies the team.
- **Use as Much or as Little of the Kit:** The team can use as many or as few of the 20 spaghetti sticks, as much or as little of the string or tape. The team cannot use the paper bag as part of their structure.
- **Break up the Spaghetti, String or Tape:** Teams are free to break the spaghetti, cut up the tape and string to create new structures.
- **The Challenge Lasts 18 minutes:** Teams cannot hold on to the structure when the time runs out. Those touching or supporting the structure at the end of the exercise will be disqualified.

Tomwujec.com

TIME FOR REFLECTION:



What was it like working in a group?

Was there a leader in the group that directed?

What were the strategies used in building your structure?

What happened when there was failure?

Any other comments?

LESSONS LEARNED:



1)



Vias.us

2)
