

Design Thinking

Design Thinking Process

We need good design!



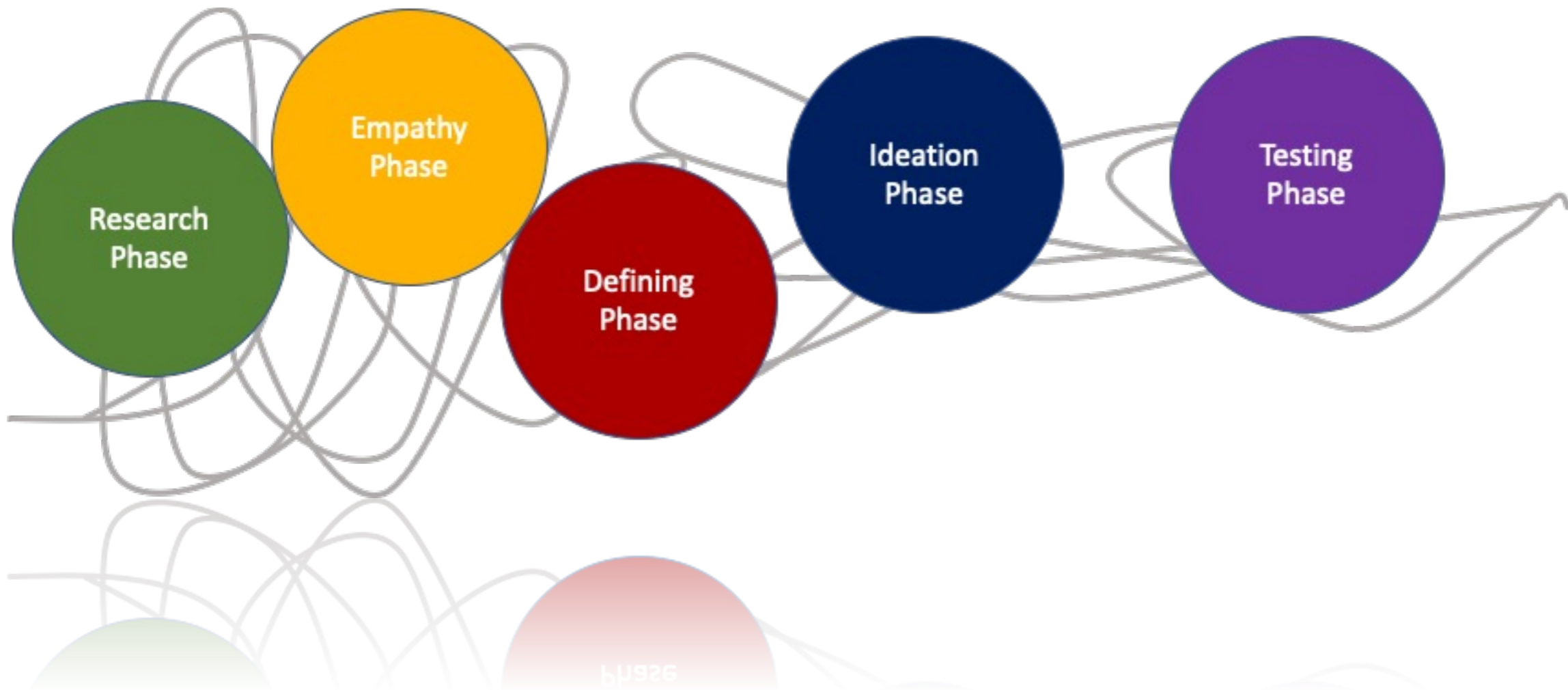
“Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution” Einstein

What is Design Thinking?

Case Study

<https://youtu.be/0V5BwTrQOCs>

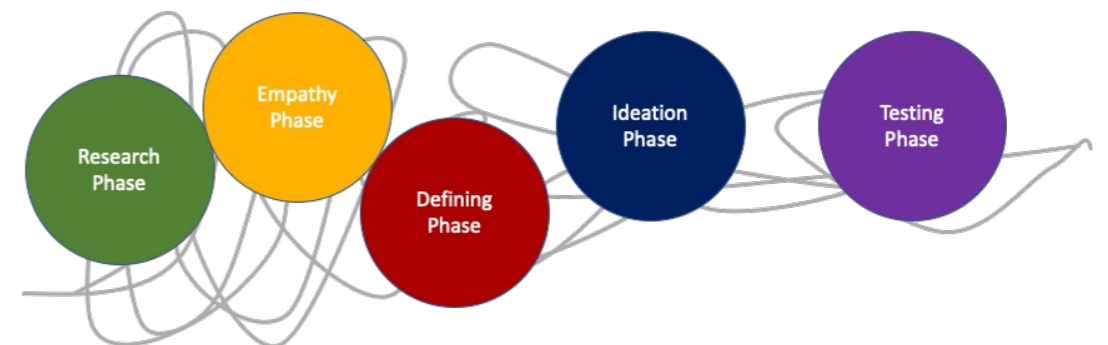
Design Thinking Process



Challenge

Problem: Garbage mountain

Design a garbage and recycling system



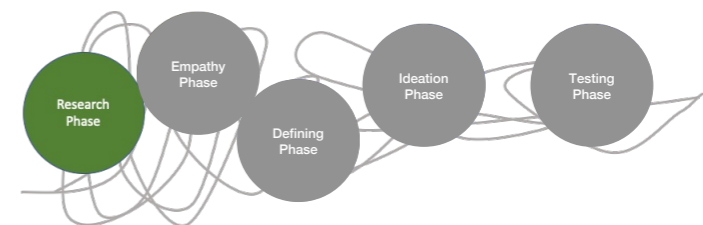
Research

(5 minutes)

What is the problem?

-What stories can you tell about garbage?
Go around the team and let each member tell about an experience of throwing away garbage or re-cycling.

Write down what problems there are with garbage and recycling.
Also take notes on what people seem to like.



Empathise

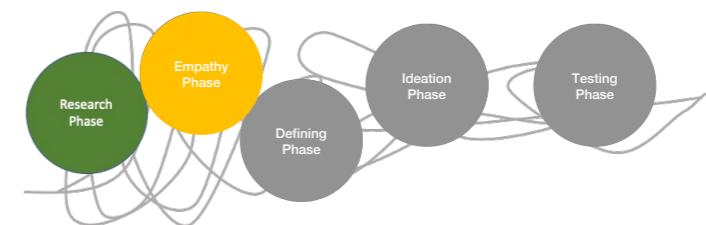
(5 minutes)

Context:

Where will your garbage and recycling system to be located? Be as specific as you can, this will help you when you are designing.

Users:

Think about who uses a garbage and recycling system?



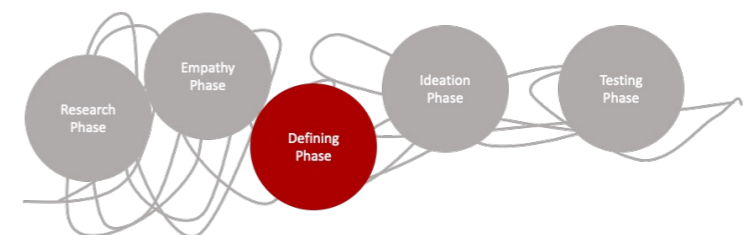
Define

(5 minutes)

Make a decision...

Now that you have done some research think about what area you would like to pursue....

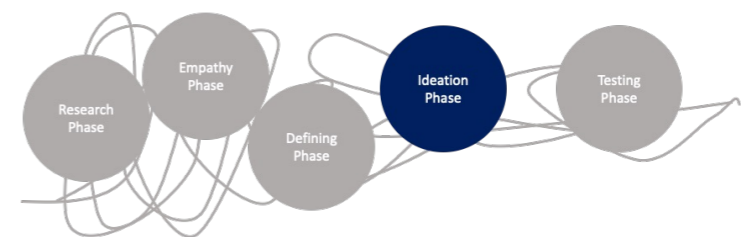
“Our garbage recycling system will be located in....., and we will focus on.....”



Ideate

Brainstorming Rules

- Quantity over Quality
- Suspend Judgement
- Build on other ideas
- Wild ideas welcome
- Everyone participates



Ideate

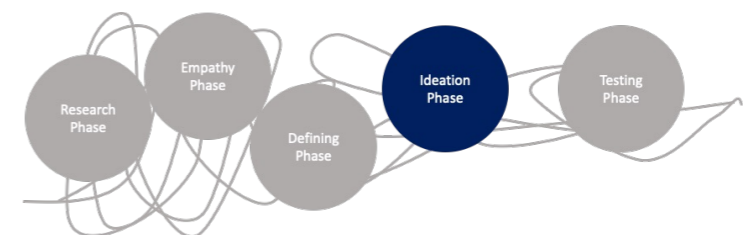
(The more the merrier)

5 minutes

Think of as many ideas as you can for
garbage and recycling handling.

Minimum of 50 ideas per team!

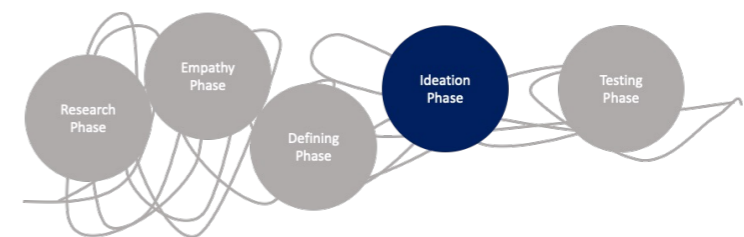
All ideas are welcome! Crazy, quirky,
boring, logic everything goes on your
list.



Ideate/Prototype

10 minutes

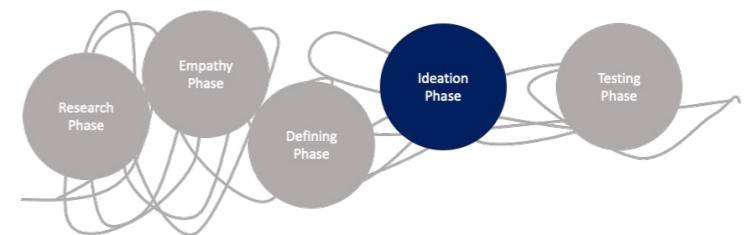
- Choose your 3 top ideas (choose 2 good ideas and 1 crazy idea).
- Use your 3 top ideas and turn them into one design.
- Make a *sketch* or build a *paper prototype* of how the system will work.



Prototype

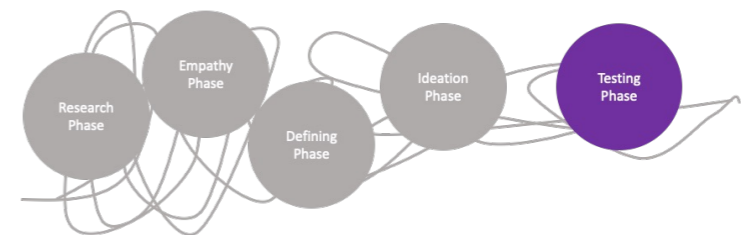
10 minutes

Plan for a presentation of your prototype. You will present your idea to the group by Bodystorming how it will work.



Feedback

Presentation time 😊



Research and Design



Bottle Bank Arcade

