

# PROTOTYPING IN EVERYDAY LIFE

**DOES 'PROTOTYPE' SOUND LIKE A NEW WORD ?**



**WHAT IF I TELL YOU THAT YOU HAVE PRACTISED PROTOTYPING BEFORE ?**

**DON'T BELIEVE? 🤯**  
**OK! THEN TELL US, IF HAVE YOU EVER**

## 1. TRIED COLOURING /DRAWING WITH CRAYONS



Then, you might have definitely tested the colour of a crayon before using it. Right?



## 2. LOOKED AT CLOTHES ON A DUMMY MODEL AND WANTED TO BUY IT?



You already know how shopkeepers display clothes on dummy models so that people can see how it looks before buying



## 3. DESIGNED SOMETHING LIKE A LOGO?

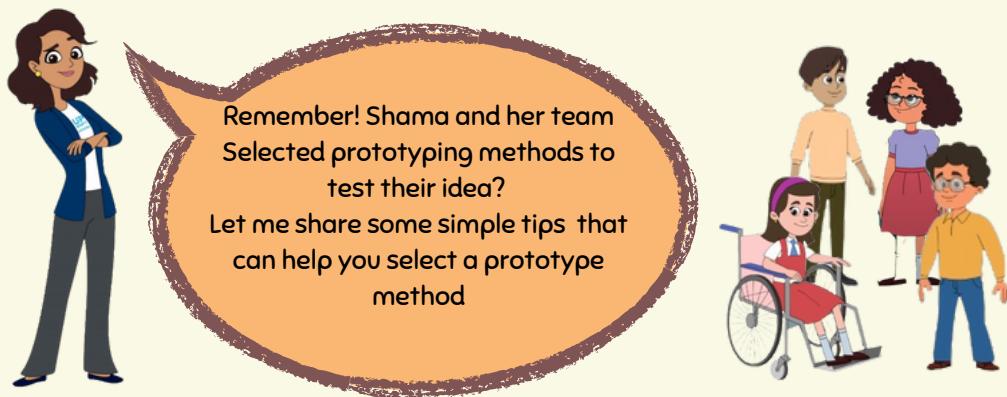


Of course, you have!  
You made a logo design for your team.  
Remember how you tested many designs?



**Any time you are testing/trying out something, you are prototyping.**  
**We all prototype a lot in our daily life to check our ideas for mistakes**  
**Similarly, your solution idea also needs to be prototyped!**

# PLANNING FOR PROTOTYPING AN IDEA



## IDEA/SOLUTION

### Product Based

Eg : Cloth Mop

Is your Solution  
**Product Based or Process Based?**

### Process Based

Eg : Cloth Exchange

Users will be able to simply read and understand our idea



Read

Users will understand our idea only if they use /feel it first



Feel

Users will understand our idea by watching how to use it



See/Hear

Users will be able to simply read and understand our idea



Read

Users will understand our idea only if they use/feel it first



Feel

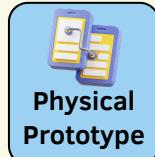
Users will understand our idea by watching how to use it



See/Hear



Paper Prototype



Physical Prototype



Mock-up Prototype



Storyboard



Mock-up Prototype



Role-Play

OR



Storyboard

OR



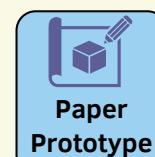
Mock-up Prototype

+



Role-Play

OR



Paper Prototype

+



Role-Play

Remember that all types of prototypes are equally good. You can choose to pick the simplest prototype that can help the users/stakeholders understand your idea or solution completely.

# 5 TIPS FOR SHOWCASING YOUR FINAL SOLUTION



## Practice beforehand

Plan and prepare who is going to talk about which part of the problem solving journey.  
Practice as a team.



## Ask for and Give support

Never hesitate to ask for help from your classmates or teachers.  
Don't forget to thank all those who helped you in your journey !



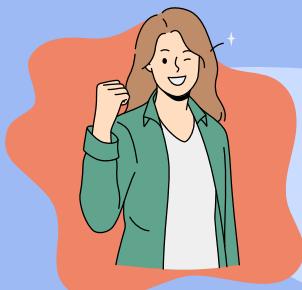
## Share your story

Share about your journey to motivate the audience to become problem solvers!  
Support your teammates if they get stuck while presenting !



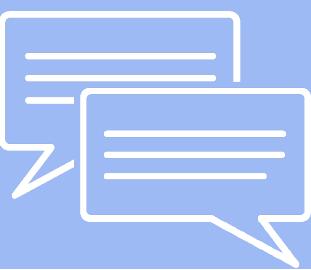
## Ensure participation

Make sure that every team member gets equal chance to speak.  
Let the audience ask questions and doubts.  
Thank them for useful feedback.



## Be confident

While presenting, Speak loudly.  
Be confident and clear.  
Nobody knows your idea better than you !!!

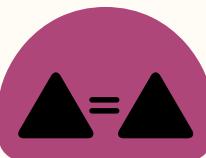


# PHYSICAL PROTOTYPES VS MOCK UPS

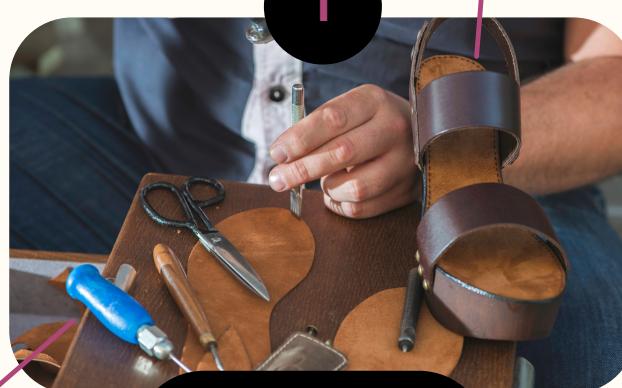
How do you choose between Physical and Mock-up Prototype?

Let us look at 2 prototyping methods of ideas we have seen so far and how they decided on the prototype

Real materials can be used in this method as they are affordable and available



Is used when prototyping can be made as per real size or function



1

**PHYSICAL  
PROTOTYPE**



Helpful in testing usage and functions with users like comfort, ease to handle in different terrains



**Conclusion**

Each prototype method has its own advantages and disadvantages. Like in the above examples, we must choose the prototype based on resources and the parts of the idea we want to test and get feedback on !

Replacement materials like cardboard, clay etc are used instead of real material as they are expensive or not easily available



2



**MOCK UP**



Can be used when prototyping cannot be made as per real size or function (real idea may be big)



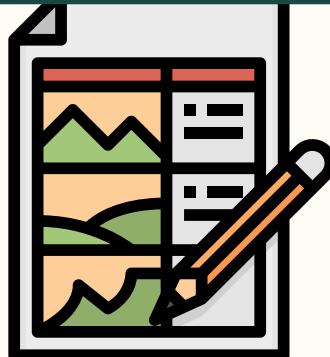
Helpful in showing the look, design, concept and style of an idea to the users when it is not necessary to test usage.

# STORY BOARDING

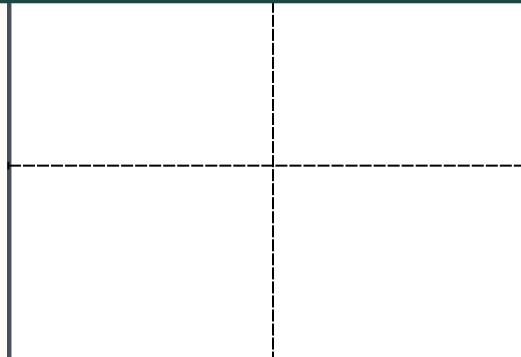
How do we storyboard an idea ?

Storyboarding uses rough sketches to show how process or product based ideas will be used or how it works. Let us see how we can do it.

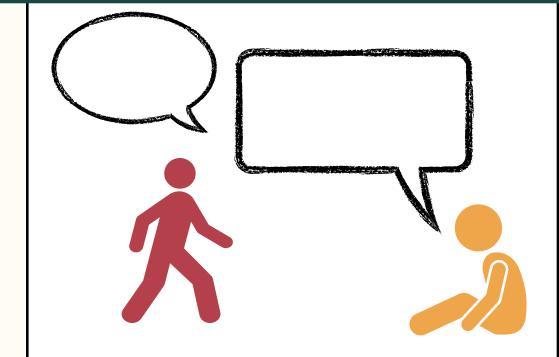
1. Think of situations where your idea will be used and develop a story.



2. Split the story into different pieces to be shown in each panel.



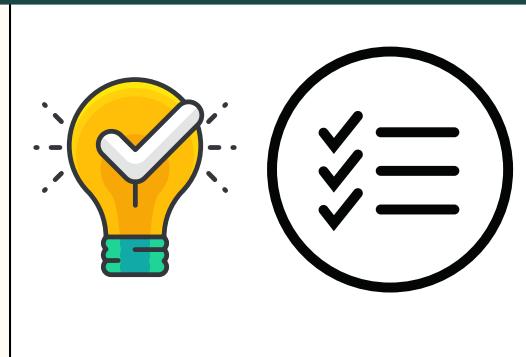
3. Add different dialogues and characters based on how the solution might be used.



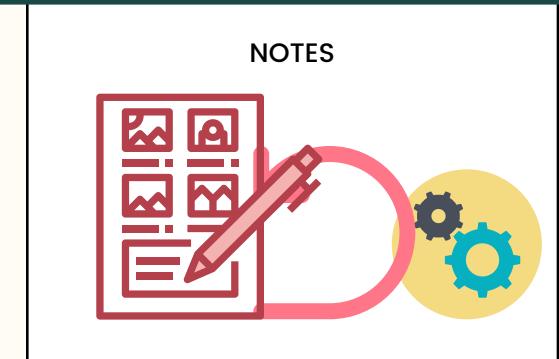
4. Use rough sketches to draw the story panel, one at a time.



5. Make sure that the advantage of your idea and its different features are shown in your story.



6. Note down any confusions or doubts others might have on seeing this and use it to rework your idea.



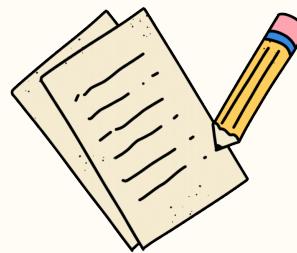
Check out your worksheet to see an example of a storyboard !

# ROLEPLAY

How to do a role play for your solution ?

Role play lets you act out a solution to see how the solution will work in real. Follow the steps below to conduct a role play.

1. Think of a situation you want to act out for your solution and write down the story.



2. Decide on characters and dialogues to be used in the role play.



3. Take up the role of different characters from the story and act it out. Use props or materials where needed.



4. While acting out, make note of doubts or confusion or other issues faced in using the solution.



5. You can Role play as many situations as you like to and test the solution. Note down any changes and rework your ideas.