

7 FIRST CRACK





01 GATHER SUPPLIES

For this activity sheet, you'll create a physical prototype of your idea for the first time. But before you can do this, you'll need to gather some art supplies.

Ask your art or tech teacher if they are willing to provide any of the following items. Ask everyone on the team to bring in the rest.

Here is our recommended supplies list:

- Coloured construction paper
- Cardboard
- Plastic straws
- Popsicle sticks
- Pipe cleaners
- Sponges
- Clear tape
- Scissors
- Coloured markers
- Thick markers (Sharpies)
- Toilet paper rolls
- Aluminum foil
- Garbage bags for clean up



02 PROTOTYPE 1.0

Create your team's first prototype. *40 minutes*

Review your team's idea

- Review your team's HMW question, persona, and project idea from **Activity Sheet #6 The Chosen One** with all team members.

Create physical prototype

- If your team has more than 4 members, split into smaller groups. Each group should have no more than 4 members.
- Distribute the art supplies between the groups.
- For the next 30 minutes (set a timer!), each group should create a prototype of the team's project idea using the art supplies.
- Variations between each group's prototype are encouraged!
- **Important:** this is not an art project. Your prototype does not have to be perfect. As long as you are able to convey the project idea to others, your prototype has done its job!



03 DISCUSSION

Share your creations with the rest of your team. *20 minutes*

Present idea to the team

- Once time is over, each group should share about their prototype and its features. Explain how the prototype addresses the HMW question and helps the persona.

Team discussion

- After listening to all the groups share about their prototypes, discuss the similarities and differences between the prototypes.
- The secretary or another executive member should take note of the discussion, and highlight the features that all or most team members like.

Photos

- Take photos of the prototypes to keep record.



04 SUBMISSION

Submit the following items to your school chapter folder on Google Drive:

1. Create a new subfolder and name it "Activity 7"

2. Upload the following items in the subfolder:

- Meeting minutes
- Photos of prototypes
 - Capture each prototype from at least two different angles
 - Take photos of all the prototypes together, side by side