

MISSION SHEET

WORD BANK

FOR YOUR BRAINSTORMING

Grab one to inspire you as you fill out the Mission Sheet.

What invention will **YOU** design for your community?

4 Draw and/or write about your invention.

5 Your invention's name: **TREE TALKER**



1 One of my community's problems is... **Trees getting cut down and not cared for.**

2 My proposed solution to this problem is... **Sends out an alarm when trees need water or protection, so they can help keep nature healthy.**

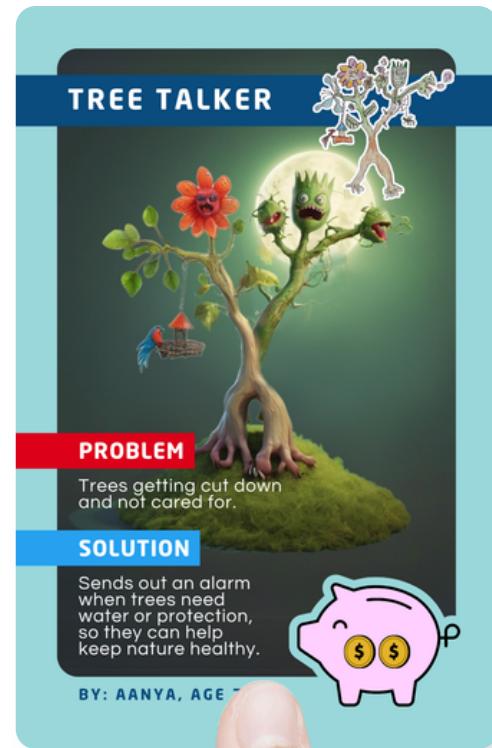
Your name: **AANYA** Your age: **7**

3 Rate the cost to solve this problem:

- SUPER CHEAP**
- EXPENSIVE**
- VERY EXPENSIVE**

Your adult's email address or phone number:
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parent.contact@gmail.com

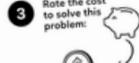
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1 One of my community's problems is...

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Trees getting cut down and not cared for.

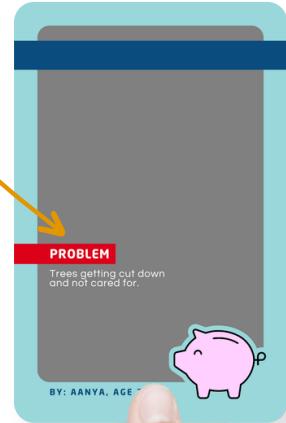
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SUBMIT HERE: www.thegiantroom.com/remix

Your community's problem goes here on your card!



1

COMMUNITY'S PROBLEMS

You can use these words to describe your community problem as you answer question #1:

traffic
litter
noise
pollution
flooding
broken
crowded
dangerous

slow
missing
messy
smelly
abandoned
icy
boring
slippery

1

COMMUNITY'S PROBLEMS

You can use these words to describe your community problem as you answer question #1:

| | |
|-------------|----------------|
| dark | scattered |
| small | old |
| tiny | cramped |
| loud | delayed |
| quiet | exposed |
| limited | weak |
| blocked | tricky |
| cracked | shaky |
| unsafe | scary |
| tangled | evil |
| forgotten | gigantic |
| hidden | transportation |
| cluttered | hospital |
| lost | airplane |
| overflowing | building |
| rough | information |

2

SOLUTION IDEAS

You can use these words to describe your solution to the community problem as you answer question #2:

build

repair

paint

plant

clean

create

design

invent

improve

fix

organize

grow

add

remove

recycle

explore

1 One of my community's problems is...
Trees getting cut down and not cared for.

2 My proposed solution to this problem is...
Sends out an alarm when trees need water or protection, so they can help keep nature healthy.

3 Rate the cost to solve this problem:
SUPER CHEAP
EXPENSIVE
VERY EXPENSIVE

Your name: AANYA
Your age: 7
Your adult's email address or phone number: will not be shared

2 My proposed solution to this problem is...

Your proposed solution to the problem goes here on your card!

PROBLEM
Trees getting cut down and not cared for.

SOLUTION
Sends out an alarm when trees need water or protection, so they can help keep nature healthy.

BY: AANYA, AGE 7

2

SOLUTION IDEAS

You can use these words to describe your solution to the community problem as you answer question #2:

stretch

measure

lift

light

protect

float

hide

fly

gather

jump

combine

magical

change

futuristic

adjust

sparkling

plan

invisible

launch

mechanical

expand

libraries

transform

knowledge

solve

available

program

perfect

connect

amazing

alarm

highlight

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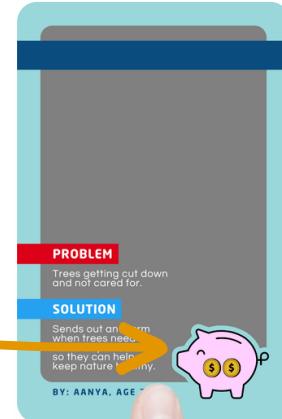
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SUBMIT HERE: www.thegiantroom.com/remix

3 Rate the cost to solve this problem:



Cost to solve the problem goes here on your card!



3 Rate the cost to solve this problem:

3

DETERMINING THE COST

You can use this guide to determine the cost of your invention as you answer question #3:

1. Materials Needed: What supplies or parts are required?

- Few or simple things → SUPER CHEAP
- Some special things → EXPENSIVE
- Lots of expensive or rare things → VERY EXPENSIVE

2. People Needed: How many people are needed to make it?

- Just one or a small team → SUPER CHEAP
- A moderate number of people → EXPENSIVE
- Many people and trained experts → VERY EXPENSIVE

3

DETERMINING THE COST

You can use this guide to determine the cost of your invention as you answer question #3:

3. Time Required: *How long will it take to finish?*

- Short project → SUPER CHEAP
- Few months to a year → EXPENSIVE
- Long or ongoing project → VERY EXPENSIVE

4. Technology/ Tools: *Are special devices needed to build it?*

- No tools or simple tools → SUPER CHEAP
- Some technology → EXPENSIVE
- High-tech or specialized tools → VERY EXPENSIVE

5. Maintenance/ Upkeep: *Will it need fixing or updates?*

- Rarely or never → SUPER CHEAP
- Occasionally → EXPENSIVE
- Constantly → VERY EXPENSIVE

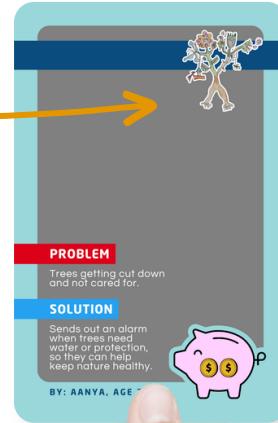
6. Hidden Costs/ Surprises: *Could there be surprise costs?*

- Few or no surprises → SUPER CHEAP
- Some hidden effort → EXPENSIVE
- Many surprises or unexpected costs → VERY EXPENSIVE



4 Draw and/or write about a invention that solves your community problem.

Your drawing from the Mission Sheet goes here on your card!



4

INVENTION DESCRIPTION IDEAS

You can use these words to describe your invention as you answer question #4:

scraps

copper

cardboard

tin

paper

silver

bottle caps

wood

steel

stone

aluminium

bamboo

iron

cotton

4

INVENTION DESCRIPTION IDEAS

You can use these categories to describe your invention as you answer question #4:

| | |
|------------|------------------|
| wool | microphone |
| leather | satellite |
| clay | antenna |
| glitter | signal |
| gemstones | detector |
| slime | solar-power |
| candy | windmills |
| sensor | hydroelectricity |
| motor | batteries |
| chip | rechargeable |
| computer | wheels |
| robot | gears |
| AI-powered | springs |
| automated | hinges |
| speaker | lever |

4

INVENTION DESCRIPTION IDEAS

You can use these categories to describe your invention as you answer question #4:

| | |
|----------------|-----------|
| fuel | buttons |
| motion | switches |
| unlimited | dials |
| wearable | handles |
| portable | remote |
| attachable | WiFi |
| shareable | Bluetooth |
| foldable | pipes |
| expandable | tubes |
| collapsible | wires |
| adjustable | screws |
| shape-shifting | glue |
| teleporting | magnets |
| dream reader | compass |
| hand-powered | wings |