

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?

5 Your invention's name: TREE TALKER

4 Draw and/or

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

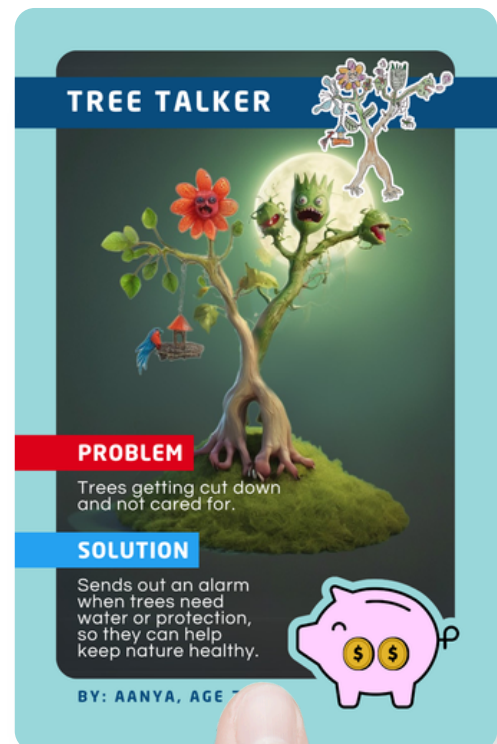
2 My proposed solution to this problem is...
Sends out an alarm when trees need water or protection, so they can help keep nature healthy.

Your name: AANYA Your age: 7

Your adult's email address or phone number:
We'll send your trading card to you when it gets published!
parent.contact@gmail.com

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

THE GIANT ROOM





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

small

tiny

loud

quiet

limited

blocked

cracked

unsafe

tangled

forgotten

hidden

cluttered

lost

overflowing

rough

scattered

old

cramped

delayed

exposed

weak

tricky

shaky

scary

evil

gigantic

transportation

hospital

airplane

building

information

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

Your adult's email address or phone number:

3 Rate the cost to solve this problem:

SUPER CHEAP

EXPENSIVE

VERY EXPENSIVE

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:

build

repair

paint

plant

clean

create

design

invent

improve

fix

organize

grow

add

remove

recycle

explore

2

SOLUTION IDEAS

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

stretch

lift

protect

hide

gather

combine

change

adjust

plan

launch

expand

transform

solve

program

connect

alarm

measure

light

float

fly

jump

magical

futuristic

sparkling

invisible

mechanical

libraries

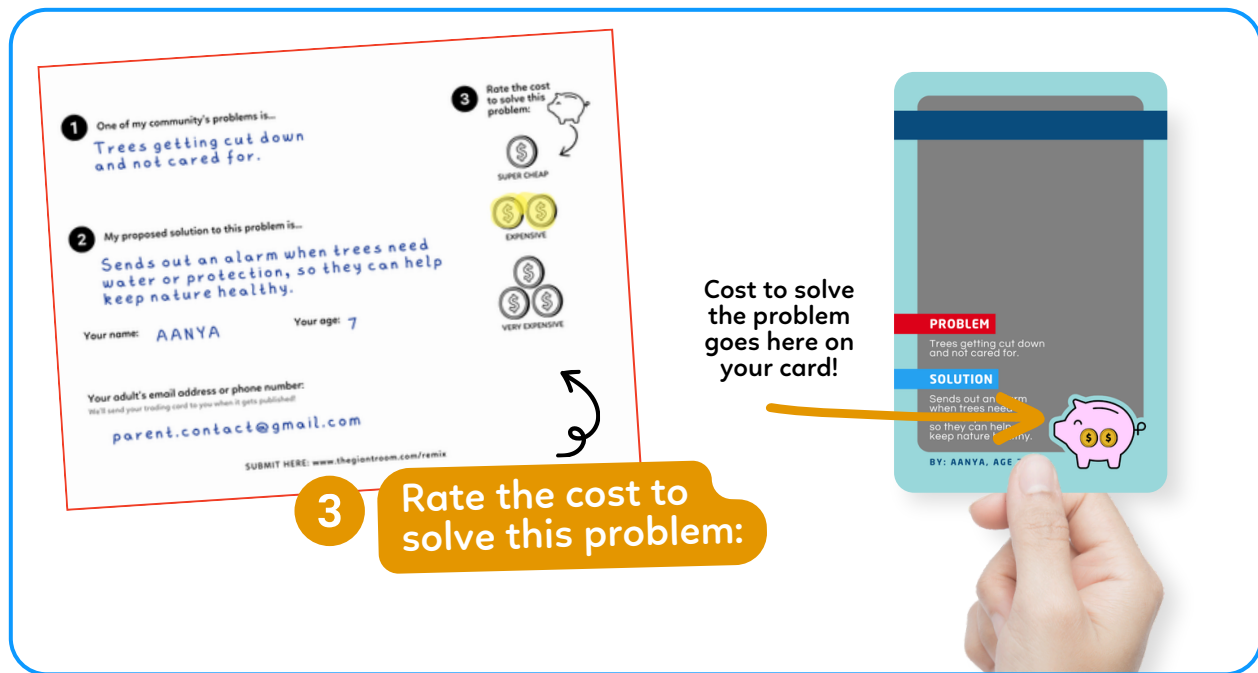
knowledge

available

perfect

amazing

highlight



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?*

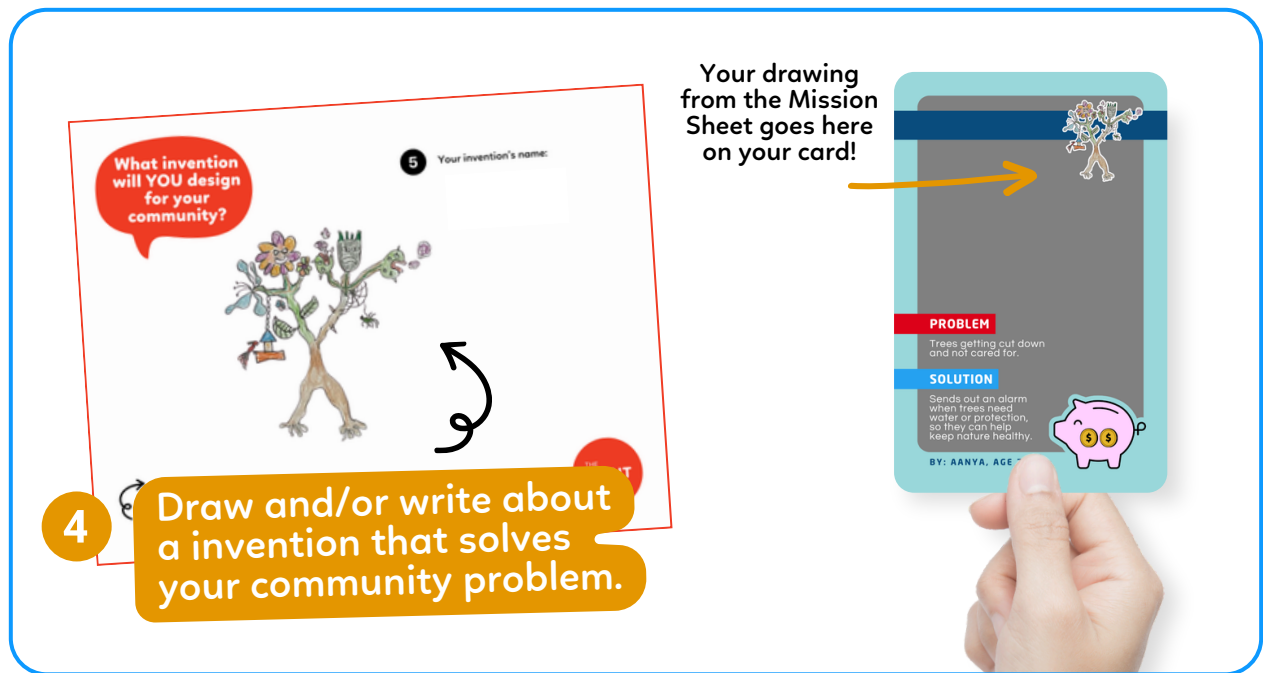
- No tools or simple tools → 💰 SUPER CHEAP
- Some technology → 💰💰 EXPENSIVE
- High-tech or specialized tools → 💰💰💰 VERY EXPENSIVE

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

INVENTION DESCRIPTION IDEAS

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

scraps
cardboard
paper
bottle caps
steel
aluminium
iron

copper
tin
silver
wood
stone
bamboo
cotton

4

INVENTION DESCRIPTION IDEAS

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

wool

leather

clay

glitter

gemstones

slime

candy

sensor

motor

chip

computer

robot

AI-powered

automated

speaker

microphone

satellite

antenna

signal

detector

solar-power

windmills

hydroelectricity

batteries

rechargeable

wheels

gears

springs

hinges

lever

4

INVENTION DESCRIPTION IDEAS

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

fuel

motion

unlimited

wearable

portable

attachable

shareable

foldable

expandable

collapsible

adjustable

shape-shifting

teleporting

dream reader

hand-powered

buttons

switches

dials

handles

remote

WiFi

Bluetooth

pipes

tubes

wires

screws

glue

magnets

compass

wings