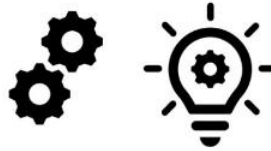
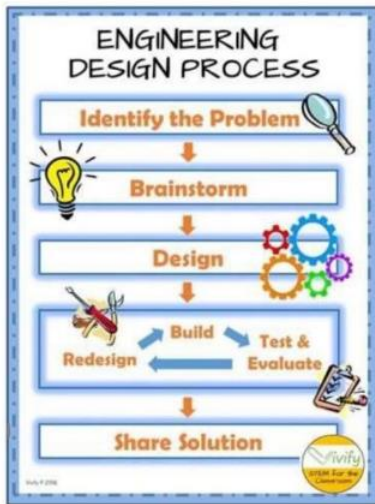


Second Grade Journal

Note: This artifact is from a previous iteration of the EDP journal and does not look exactly like the one in the Daily Do



My Design Thinking Process
Journal

STEM Maker

Savi

(Your name)

2020-2021

Ms. Shiela's STEM Class



Brainstorm problems that I notice around me in the world and in my community...

pollution in the ocean



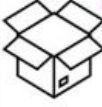
racism 🧑 🧑 🧑 🧑 🧑

Circle the problem you want to focus on.



PROBLEM: coronavirus

(Observe/Ask & Collect Information)

What is the problem?  <u>the</u> <u>problem is</u> <u>coronavirus</u>	What resources do I have/need to solve this problem?  <u>cardboard Bungee cord</u> <u>Scissors A mask hand</u> <u>sanitizer and gloves</u>
What have others done to solve this problem?  <u>doctors are</u> <u>trying to help</u>	What am I limited by?  <u>Bungee cord</u>





SOME IDEAS I HAVE (Imagine & Plan)

Materials I will need: bungee cord and cardboard and scissors and a mask and sanitizer and gloves A cabinet Lockand tape	What steps will I take to solve the problem? Get supplies And make mask holder	What could go wrong? It could fall over If you are being rough with it it may break The mask could fall all the Hand sanitizer could pop out
Design: Take the cardboard and roll it up. Put the cabinet lock up onto it then take the rest of your cardboard and make a stand and then cut it out with the scissors to make the same kind of hole as it. Then push it in. Then take the bungee cord and wrap it around. Next take the hooks of it and put your mask on it upside down and take your hand sanitizer and Tyser and put it in the bowl and on your stand. Then take your glove box and put it near it.		



ENGINEERING DESIGN PROCESS

```
graph TD; A[Identify the Problem] --> B[Brainstorm]; B --> C[Design]; C --> D[Build]; D --> E[Test & Evaluate]; E --> F[Share Solution]; E --> G[Redesign]; G --> D;
```

The flowchart illustrates the Engineering Design Process. It begins with 'Identify the Problem' (magnifying glass icon), followed by 'Brainstorm' (lightbulb icon), 'Design' (gears icon), 'Build' (wrench and screwdriver icon), 'Test & Evaluate' (test tube icon), and 'Share Solution' (megaphone icon). A feedback loop connects 'Test & Evaluate' to 'Redesign', which then leads back to 'Build'. The process is framed by a blue border with a 'Verify' logo at the bottom right.

More Designs:

A photograph of a student's engineering design project. The project is a wooden structure with a horizontal beam and a vertical support, mounted on a cardboard base. It is placed on a table covered with a black and orange pumpkin patterned cloth. In the background, a brown sofa and a window with a view of a green landscape are visible.

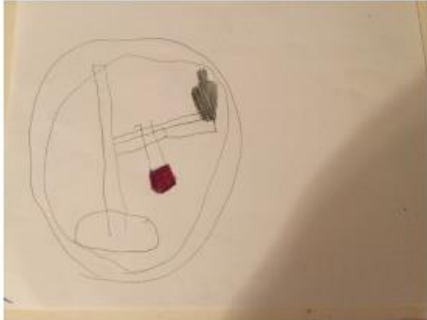
Refining my creation!

I tried this...	Did it work?	So, I did this!
	Yes  No  Almost 	
I tried cardboard	No	I fixed the stand I took the scissors and cut it through the stand then I push the cardboard down
I tried putting the cabinet locker on the cardboard	Almost	I pushed the cabinet locker down
I've tried putting the bungee cord on the cabinet lock off then I hung my mask on the hooks it worked	Yes	

Refining my creation!

I tried this...	Did it work?	So, I did this!
	Yes ☒ No ☐ Almost 	
I took for Handsanitizer and put the hand sanitizer in and put it on the stand	No	So I got a bowl and put the Hand sanitizer in and put it on the stand
I got some gloves	No	I got a box full of gloves and put it near the stand

Pictures of my creation and testing it out:



please see
journal in
seesaw



Reflection

What changes can I make to improve my creation/solution?



I can take an extra piece of cardboard that I have and cut it out and then roll it up and then put it on the locker or the cabinet locker and and then I can put my hand sanitizer on it

What went well during this process?



instead of it being a mask holder now it's a station you can put your things when you go out during coronavirus



Gloves, hand sanitizer, face shield holder, mask holder, stethoscope holder, wipe holder



Final Entire PPE Station

