

**Team Name**

**The Boney Bots**

**Team Members**

Caiden Grenier  
Brekken Ieyson  
Ian Johnson  
Luke Johnson  
Silas Johnson  
Sawyer Marsh  
Team Name

[Machine design Sketch](#)

[Final machine design](#)

[Machine cost and recycled amount](#)

[Step Documentation](#)

[Step 2:](#)

[Step 4:](#)

[Step 6:](#)

[Step 8:](#)

[Step 10:](#)

[Reflection](#)

[Once upon a time in the future there was a robotic human who was playing when it rained and he became so sick that he could've died. The only way to save him is by causing a series of events that each make another one. First, you have to take his pencil which will cause the milk of nails, metal since he's a robot, to fall but the drop will make his ruler get pulled out of his "binder" which will then make his spare wheel and his "metal horn" get pulled down, pushing the fake skin human hand on the books which will cause them to collapse, pushing his bouncy ball into his medicine, making it fall, and it works so well that it's almost like a motor pulls him up while he's rising up because he's so happy that he's not sick anymore.](#)

[Bibliography](#)

# Machine design Sketch

## Final machine design



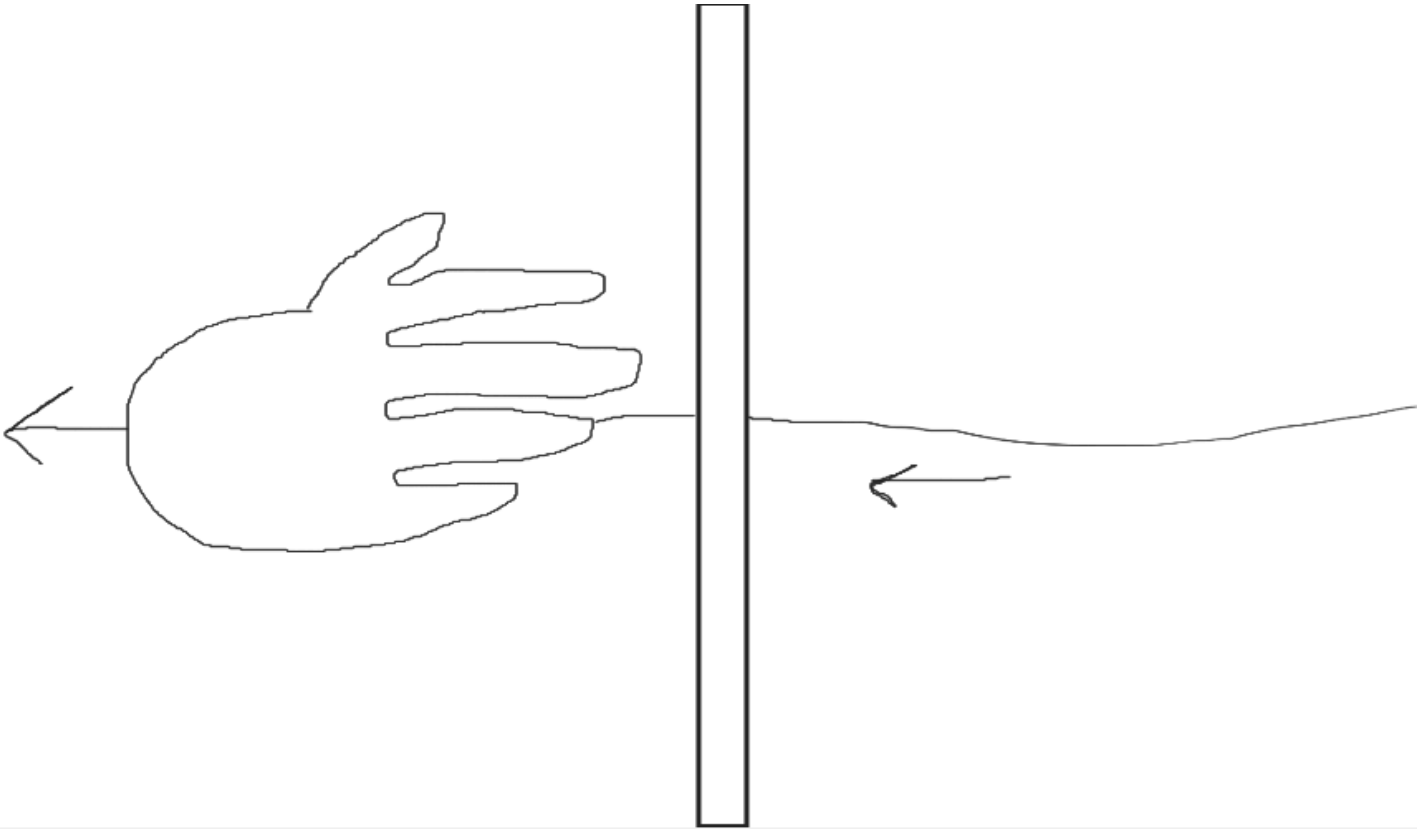
## Machine cost and recycled amount

We rescued the following parts: broken pencil, old pain jug, part of old basketball hoop for kids.

# Step Documentation

Step 1:

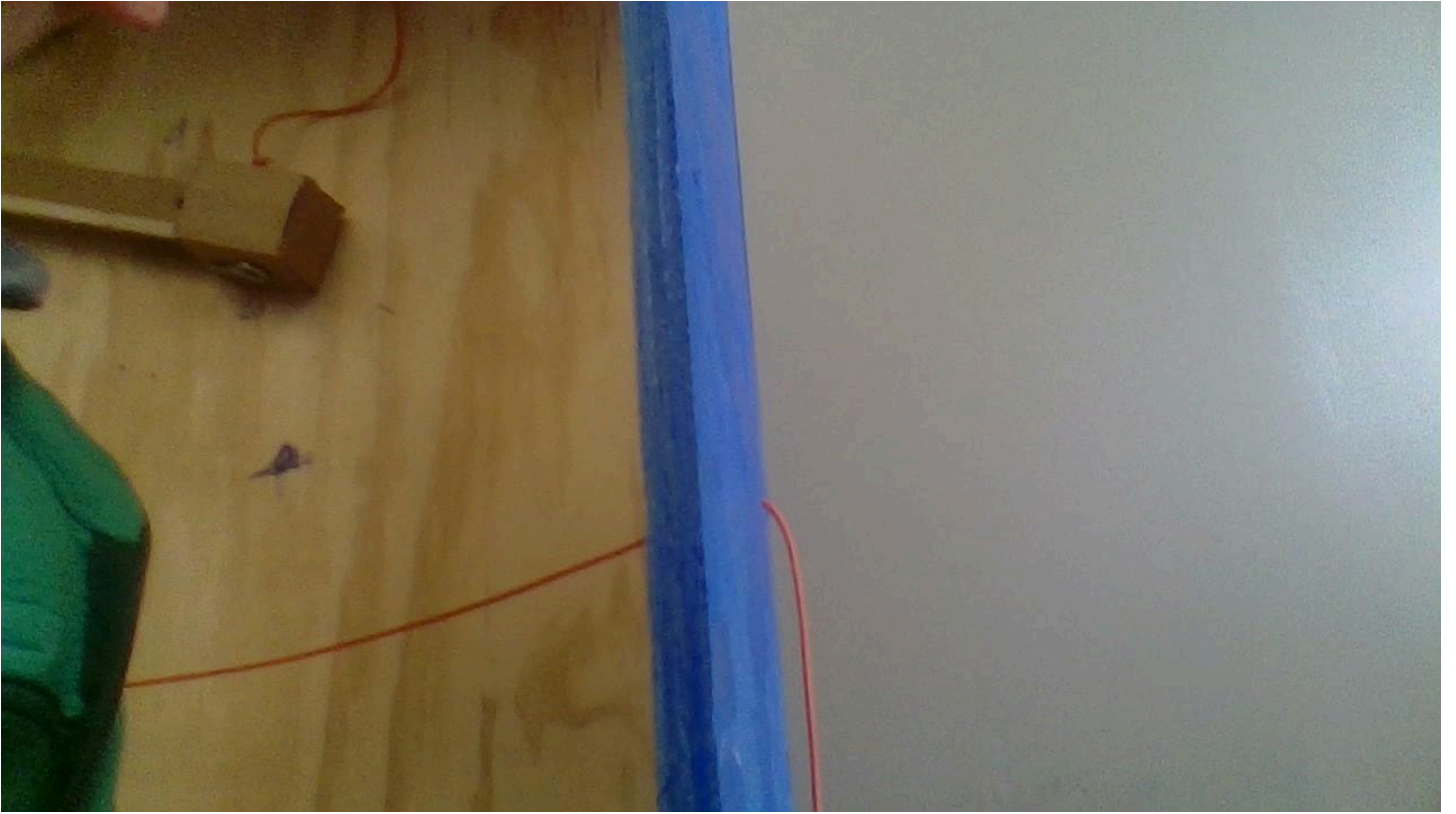
Sketch



Description

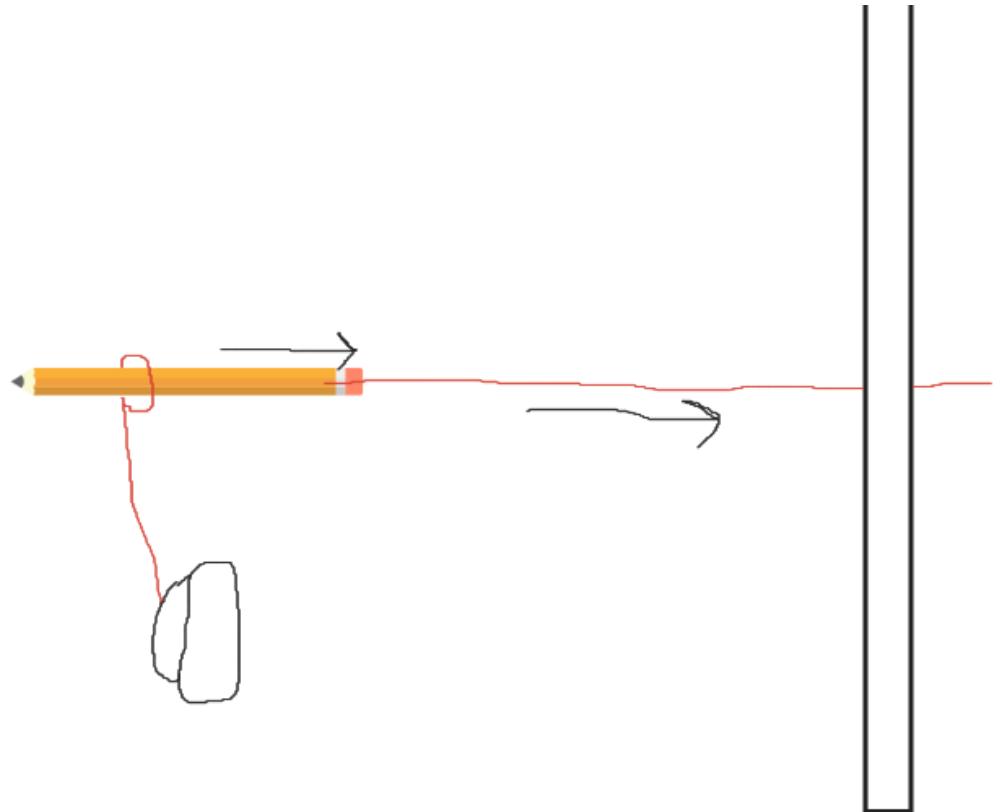
Team member pulls a string

Photos & Results



Step 2:

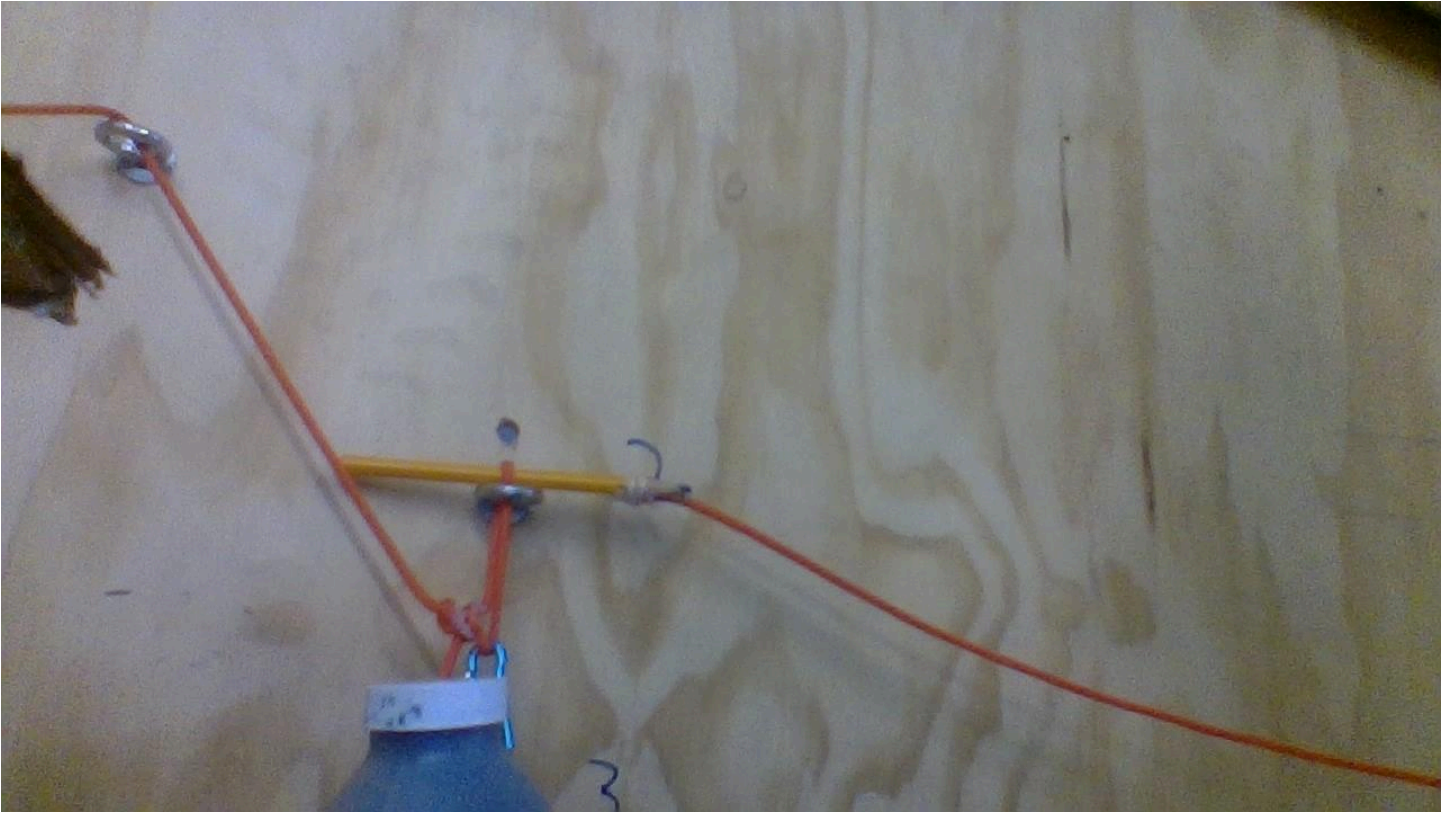
Sketch



Description

Pencil gets pulled

## Photos & Results



Step 3:

Sketch

Step:3



## Description

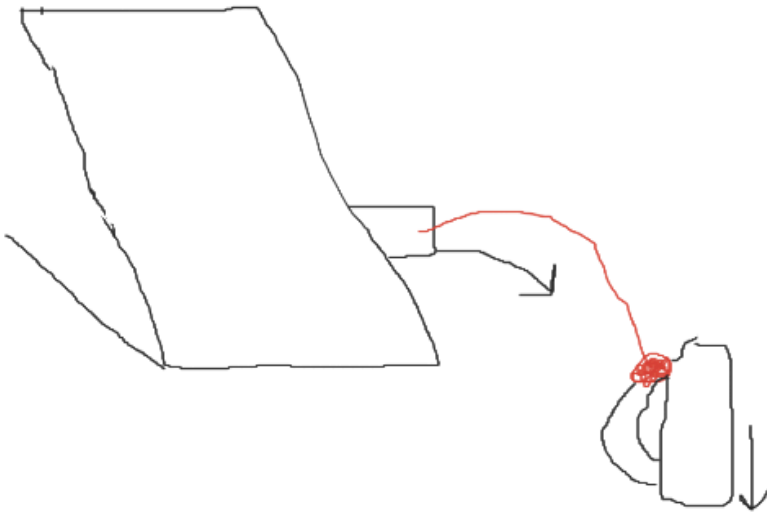
Jug falls

## Photos & Results



Step 4:

Sketch

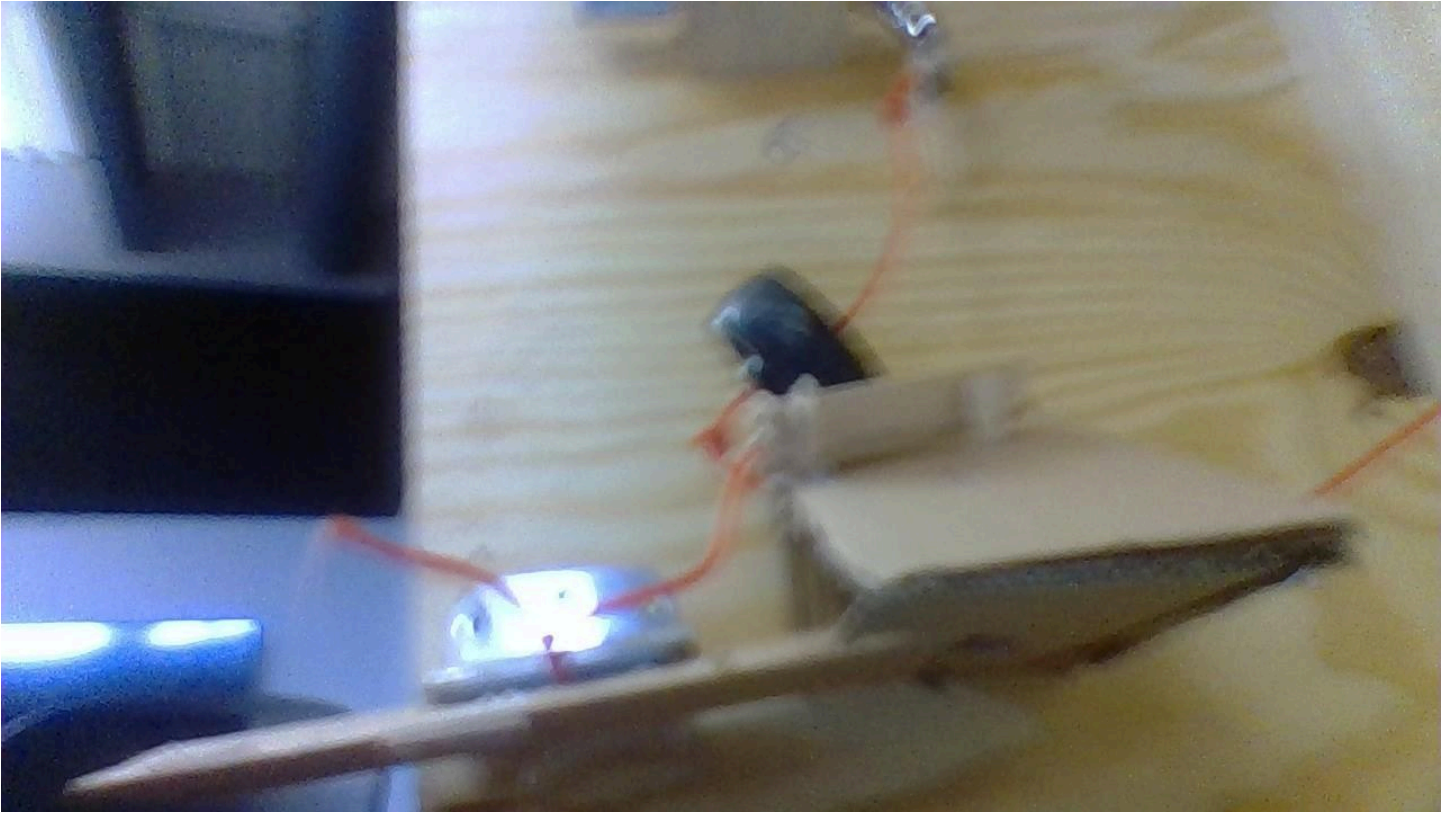


Description

A piece comes out and a piece falls



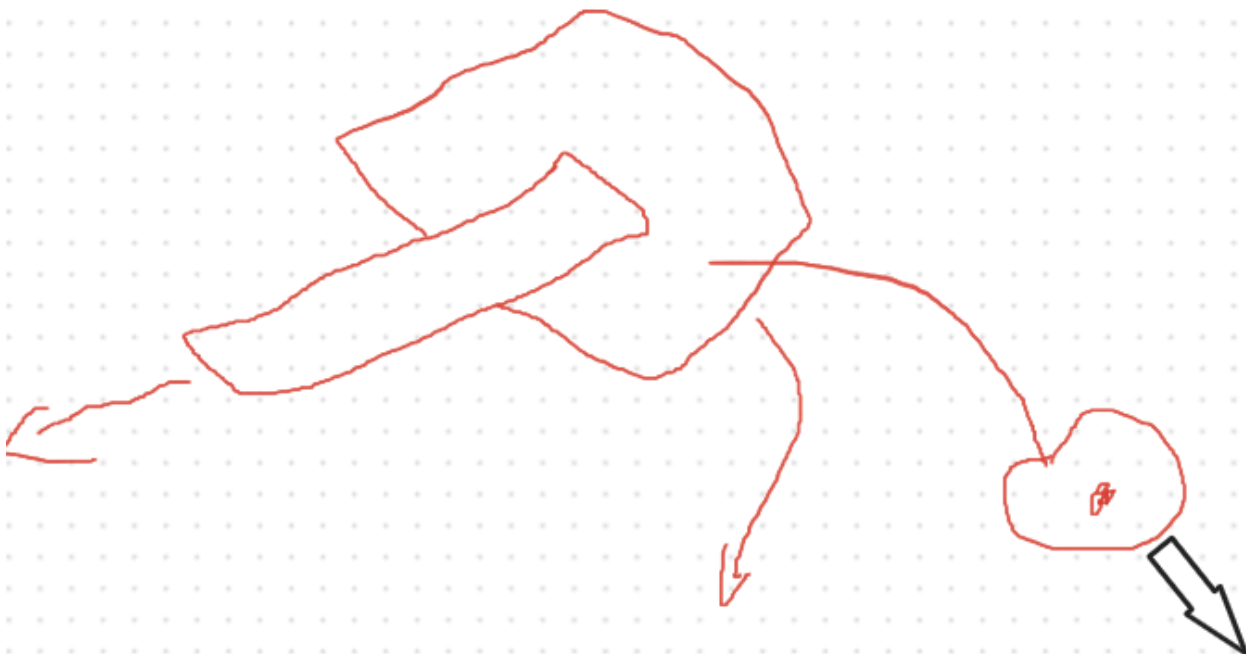
## Photos & Results



Step 5:

Sketch

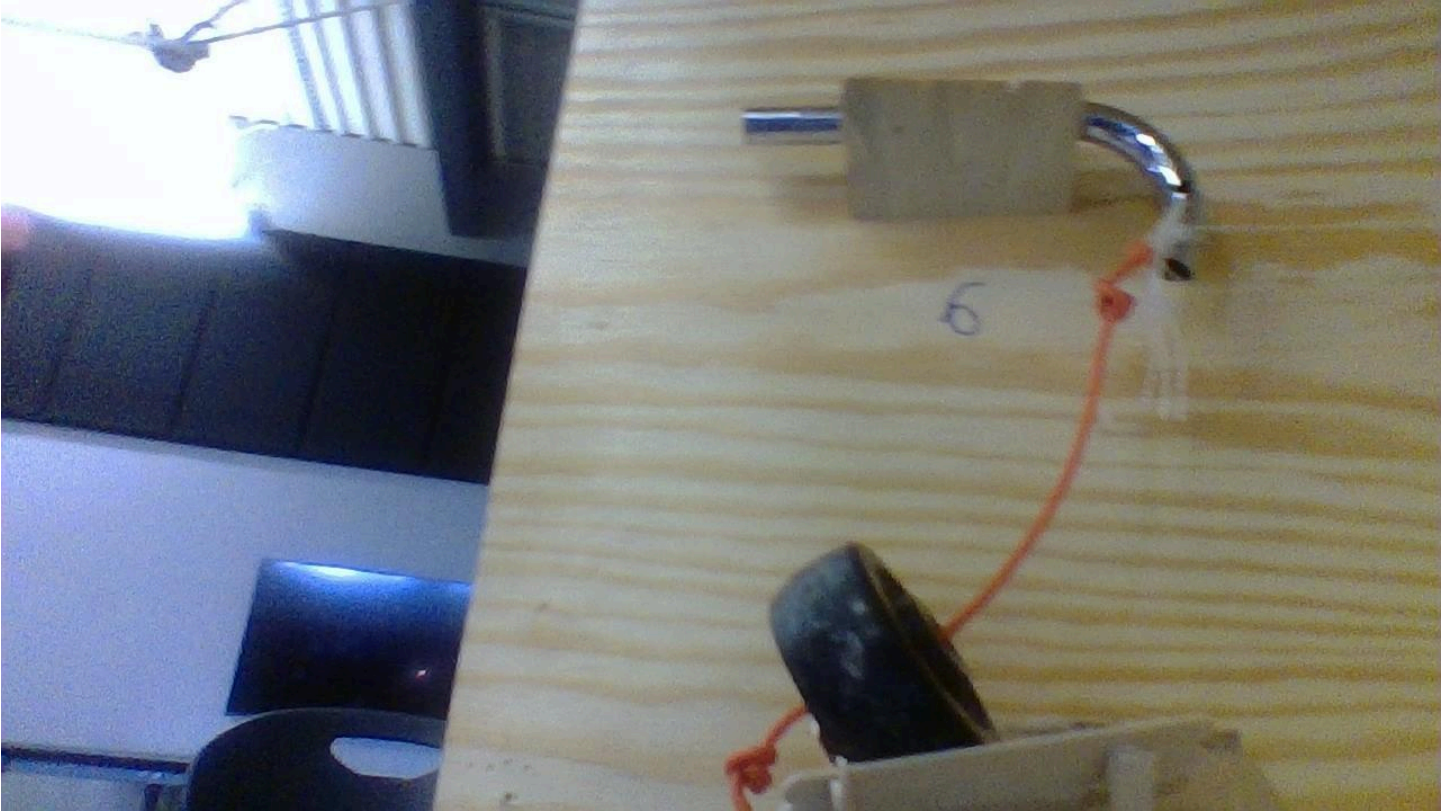
Step #5



## Description

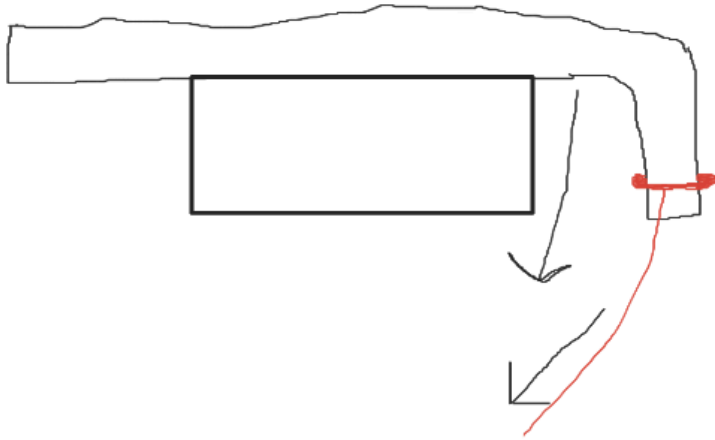
A ball rolls down and pulls a string

## Photos & Results



Step 6:

Sketch



Description

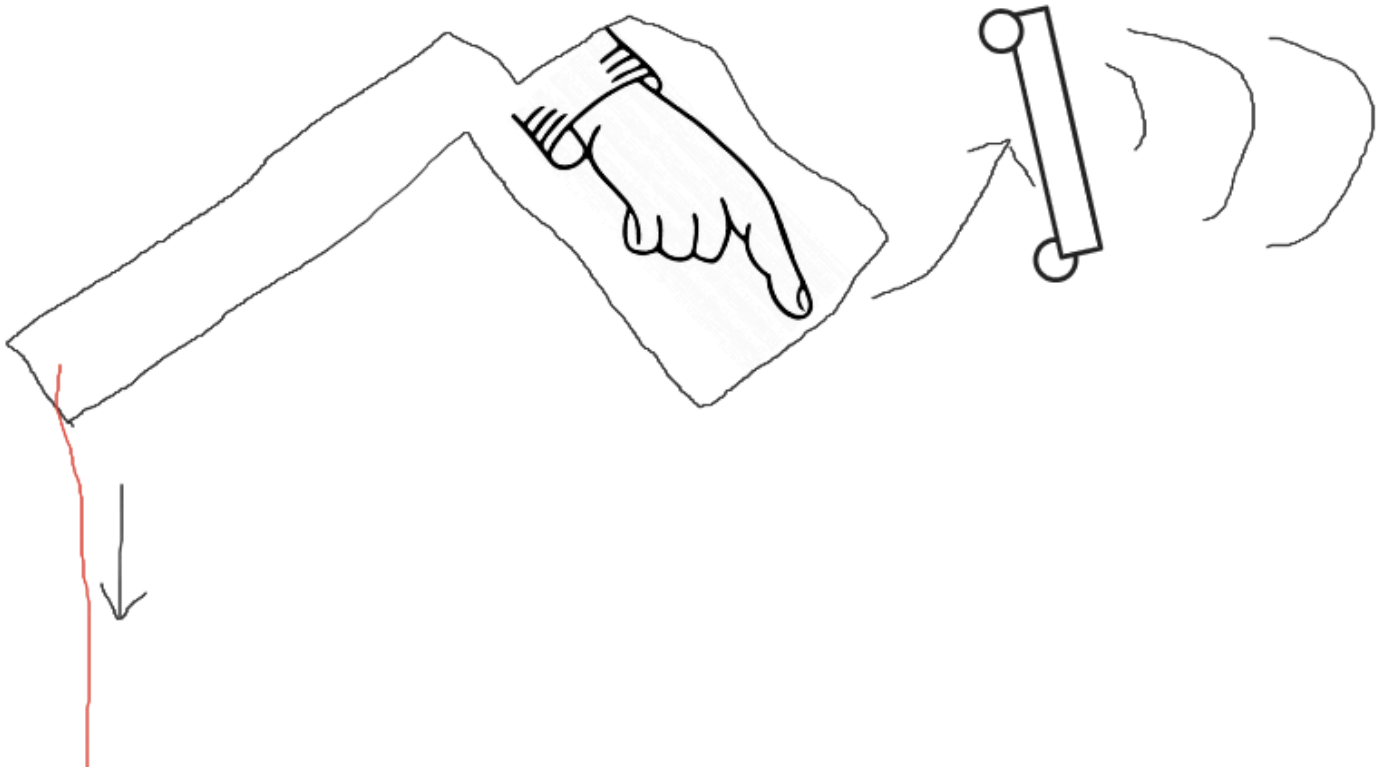
Pipe falls and knocks down Domino

Photos & Results



Step 7:

Sketch



Description

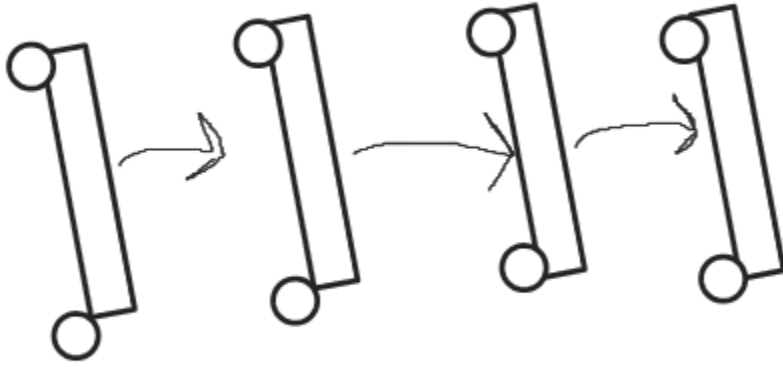
Something hits the safety domino

Photos & Results



Step 8:

Sketch



Description

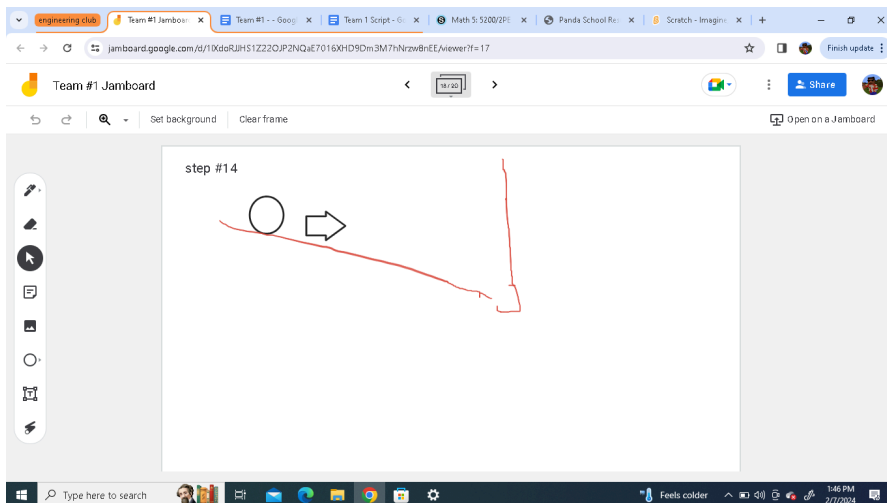
Safety dominos

## Photos & Results



## Step 9:

### Sketch

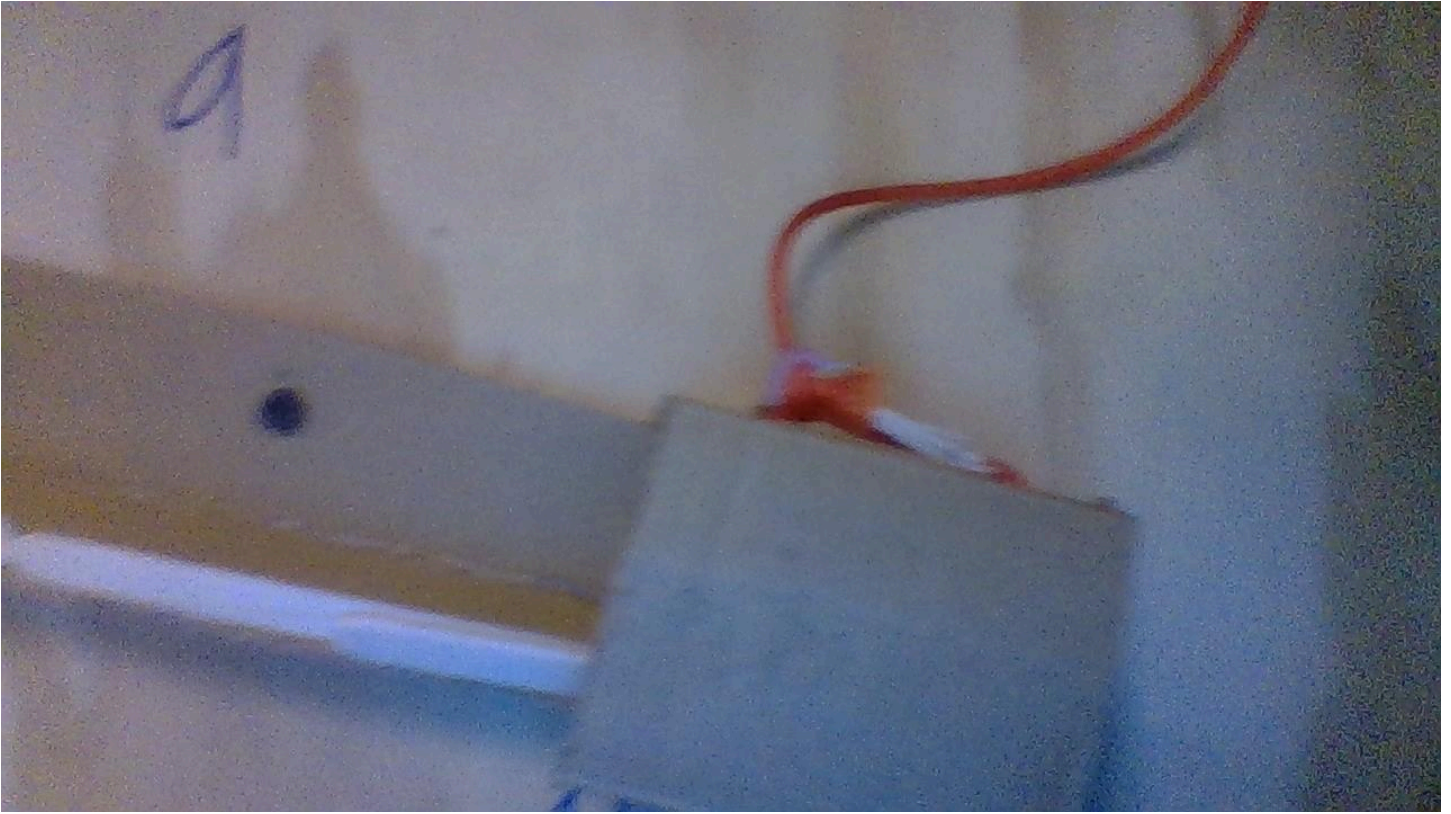


### Description

ball rolls down into bucket and pulls string and lift cage.



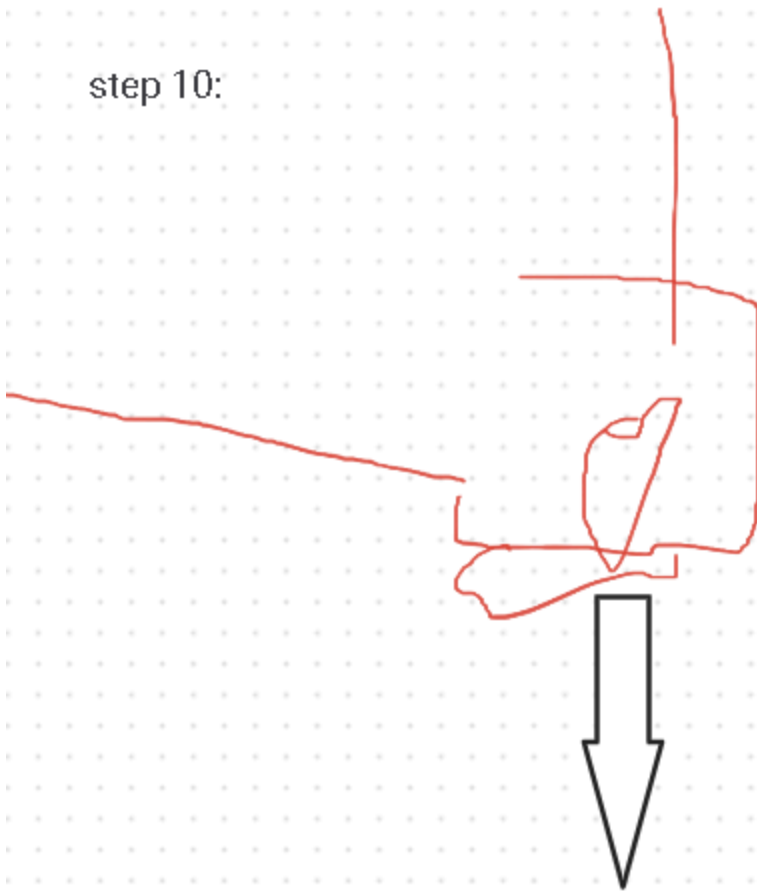
## Photos & Results



Step 10:

Sketch

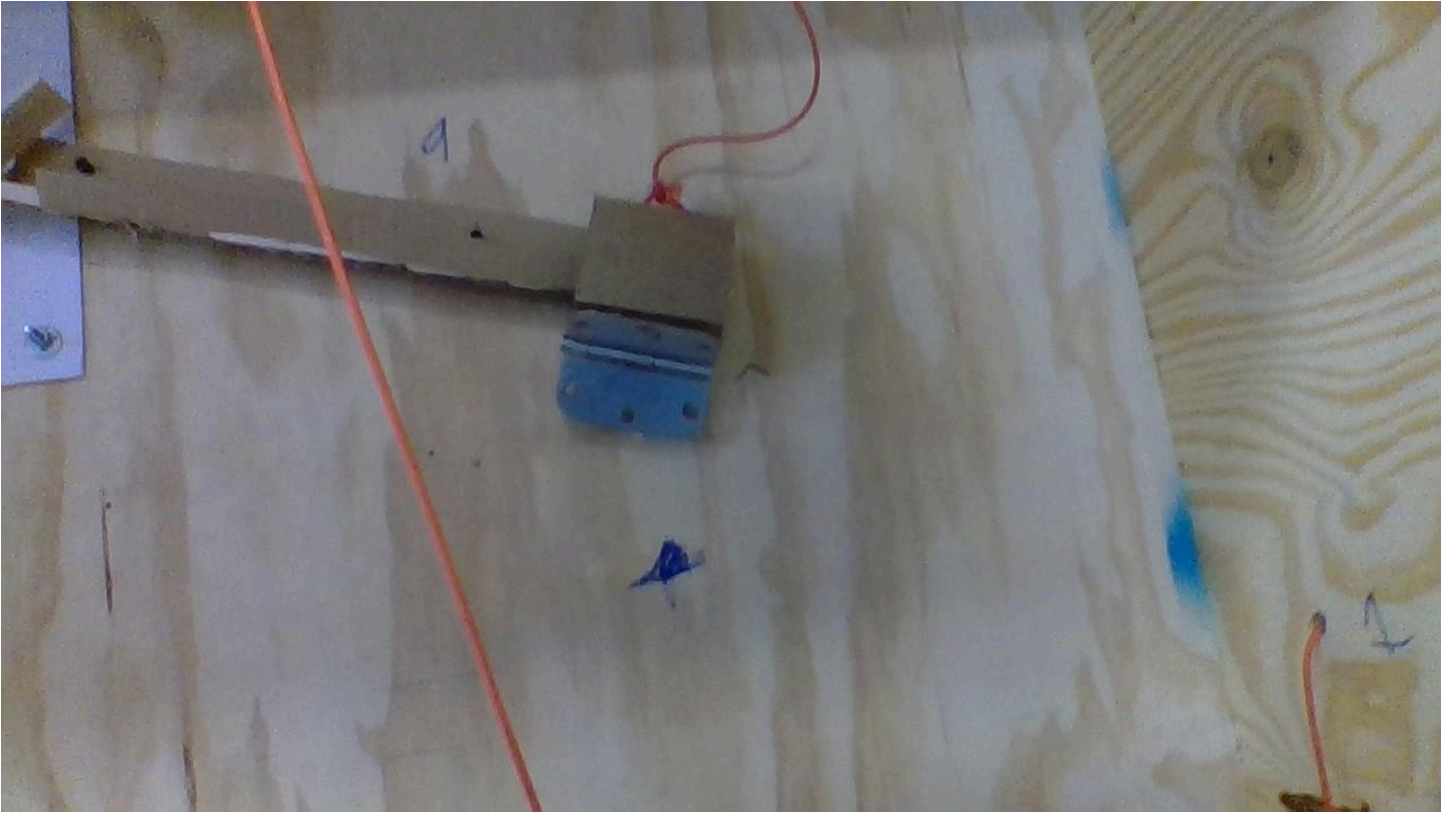
step 10:



### Description

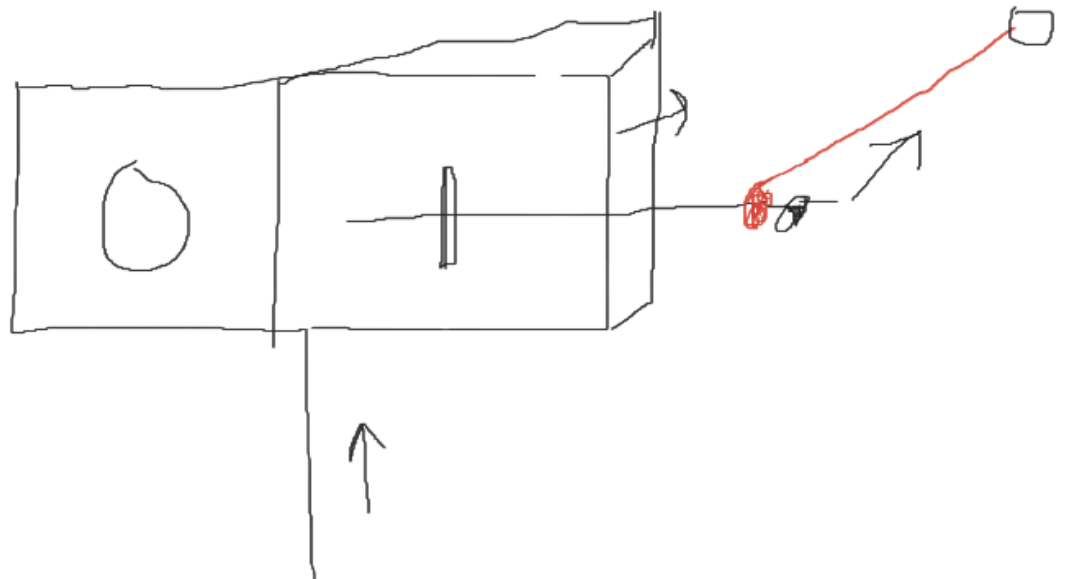
Switch flips and turns on a motor

## Photos & Results



Step 11:

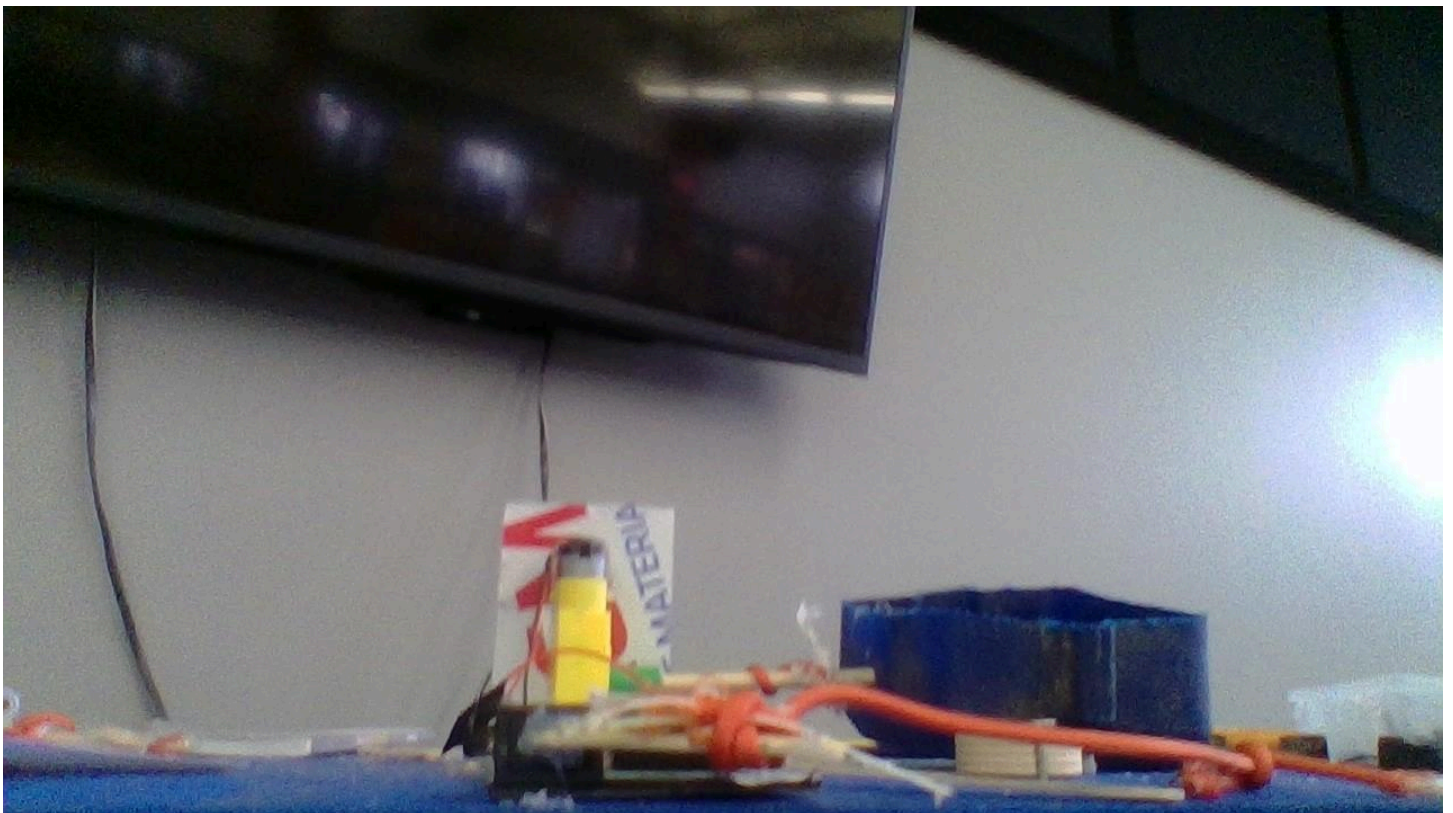
Sketch



## Description

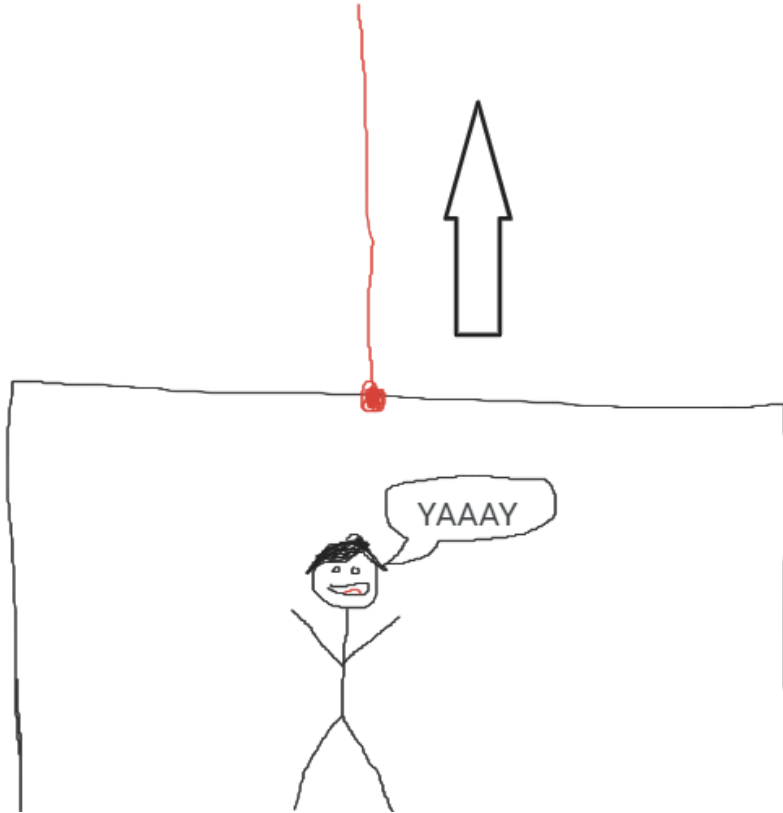
Box falls and pulls a string and pulls a switch.

## Photos & Results



Step 11:

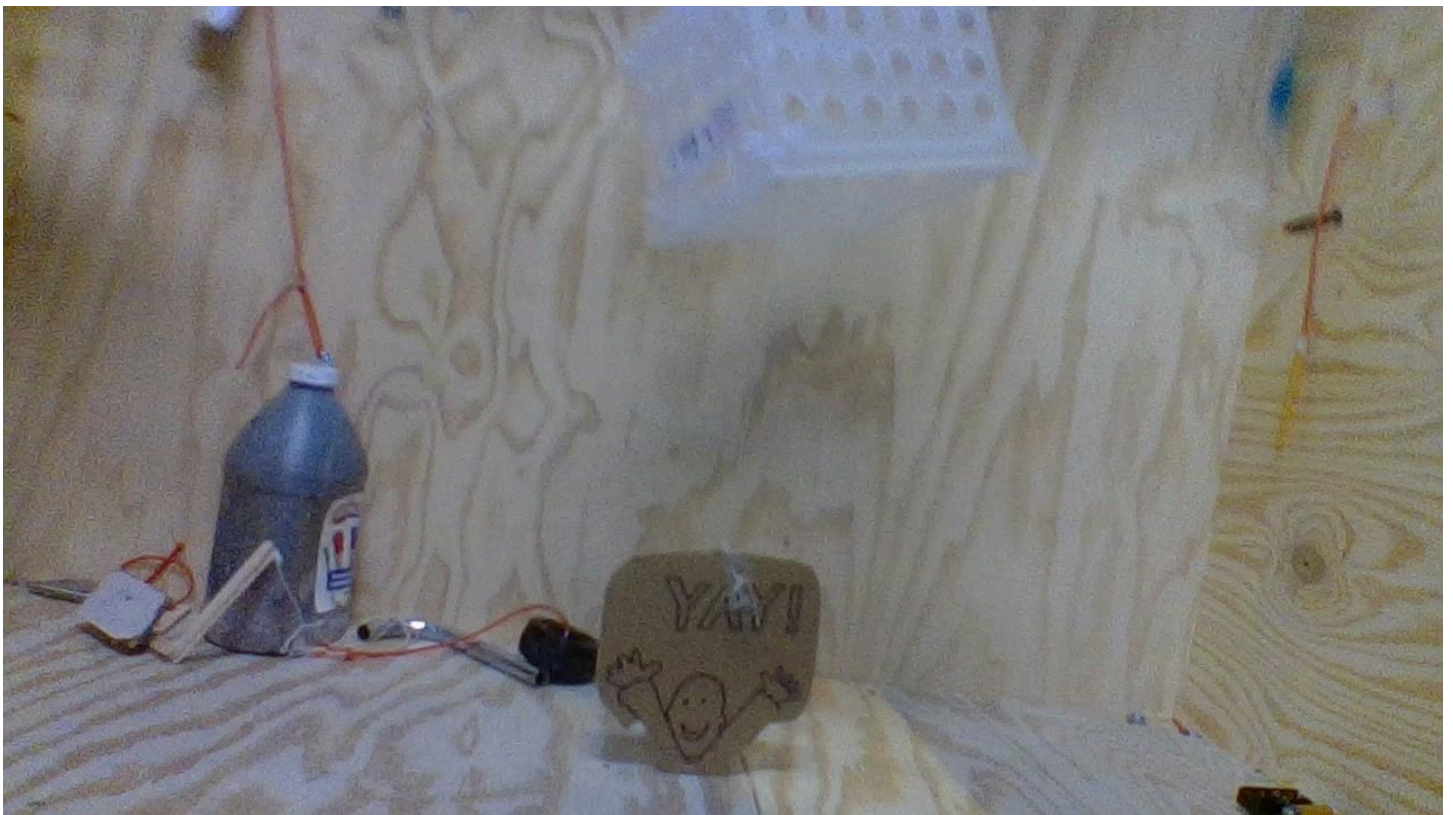
Sketch



Description

Cage lifts and guy says yay

Photos & Results



## Reflection

We had our first challenge when we were out of ideas. Our second challenge is that document that you are reading right now. Third, the motor was not strong enough. Our fourth was the metal pipe that kept breaking but we fixed it. Our first success was That it worked most of the time. Our second was that we were going to the finals. Our third was at first we had absolutely nothing, but then we put our heads together and actually did something after that. We found out what our last step would be. We had two teammates who quit. We changed our first step twice. We have a very sensitive.

# The Story of Robotic Human

Once upon a time in the future there was a robotic human who was playing when it rained and he became so sick that he could've died. The only way to save him is by causing a series of events that each make another one. First, you have to take his pencil which will cause the milk of nails, metal since he's a robot, to fall but the drop will make his ruler get pulled out of his "binder" which will then make his spare wheel and his "metal horn" get pulled down, pushing the fake skin human hand on the books which will cause them to collapse, pushing his bouncy ball into his medicine, making it fall, and it works so well that it's almost like a motor pulls him up while he's rising up because he's so happy that he's not sick anymore.

## Bibliography

"30 Fun Popsicle Stick Activities That Move!" *Puzzle Shift Create*, 26 Jan. 2023,  
[www.puzzleshiftcreate.com/popsicle-stick-activities/](http://www.puzzleshiftcreate.com/popsicle-stick-activities/).

Roberts, D. (2011). *Making things move: DIY mechanisms for inventors, hobbyists, and artists*. McGraw-Hill.

Team links - [Idea starter document](#)

[Example Machines](#) || [Phone Folders](#) || [Instructions Document](#) ||| [Team Spreadsheet](#) || **[Jamboard](#)** || [3D Print](#)