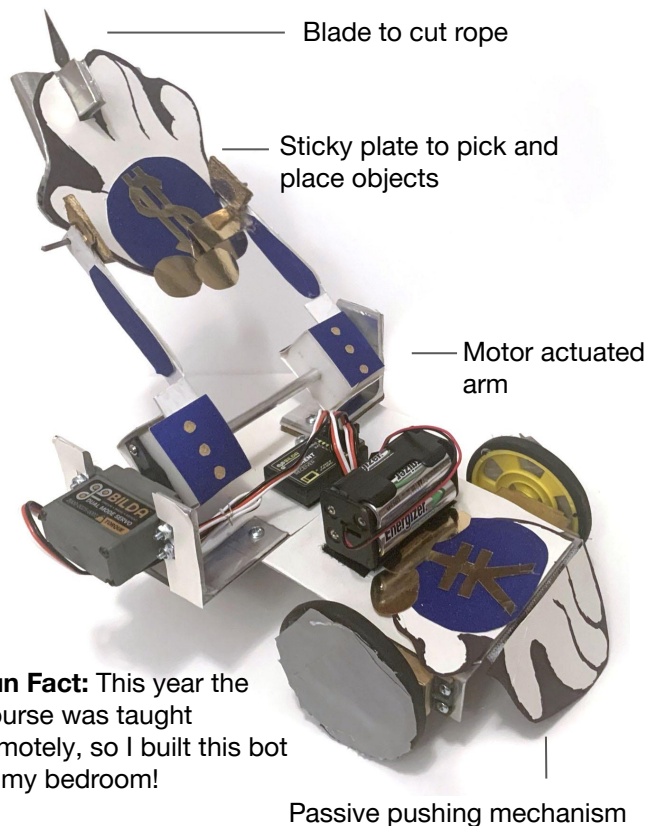


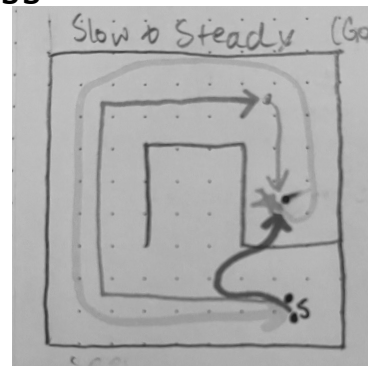
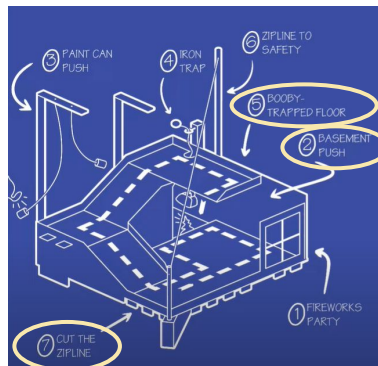
# The Hand

Spring 2021

**Objective:** Make a robot to compete in a game from a limited kit of parts within in weight and size constraints

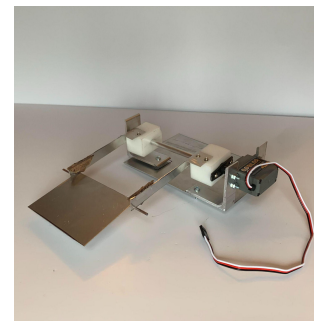
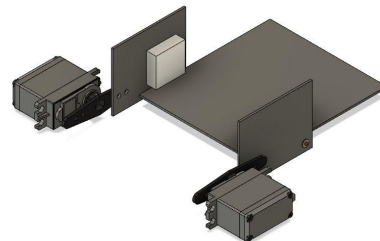


## Game Board and Strategy



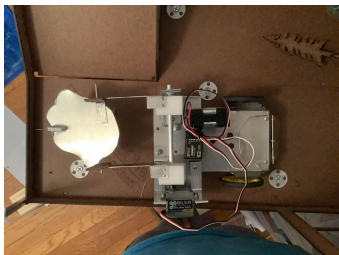
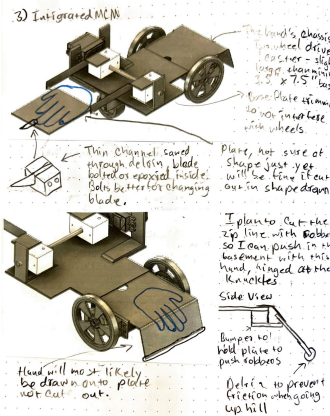
- Driving up and down incline
- Picking up and placing game objects
- Cutting rope above game board
- Pushing game objects

## Mechanism Prototyping



# The Hand Spring 2021

## Integration and Design

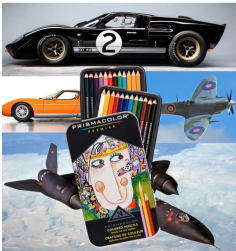


See [video of bot](#) in competition!

## Most Beautiful Machine Award

## GT40/Spitfire/Miura/SR-71 Pri

For the most beautiful machines.



**Jolie Bercow**

Daymé Delgado

Megan Ngo

Christina Patterson

Danielle Allison

Faith Jones

Victor Diaz

**Project Takeaways:** In designing and manufacturing this robot by hand, I was able to learn more about materials by working directly with them.

**Tools Used:** Fusion 360, Sheet metal working, strategic thinking, fabrication with hand tools, electronics

