Goals

Do you clearly understand the need/problem? Write your goals/problem statement as detailed as possible.

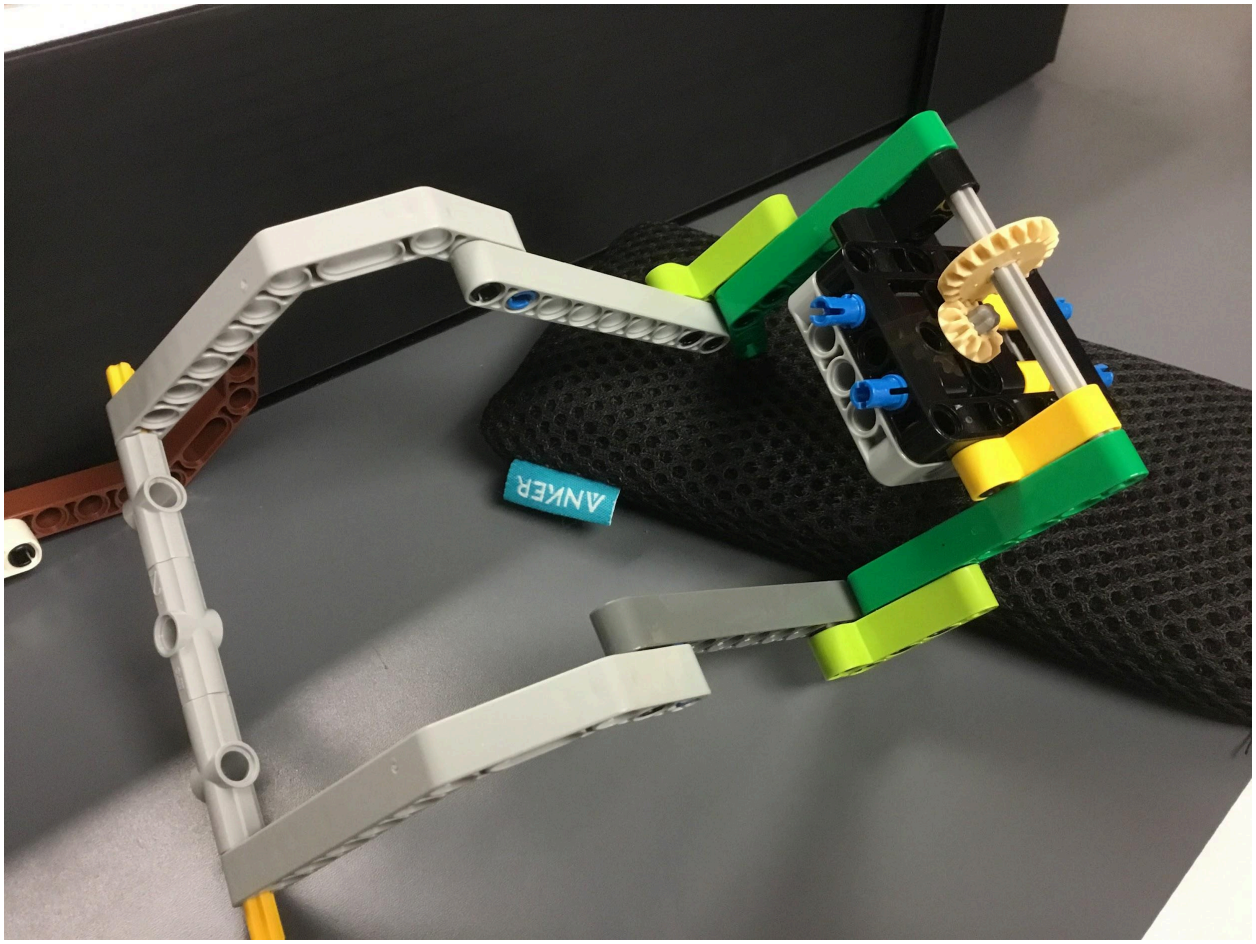
1. Lift the platform 3 times
2. Try to use a passive attachment, no motors

Discovery/Research/Solution Ideas
No idea is small, write everything down with pros/cons and any reflections.

If it is about a mission?

1. What's the reliability anchor? Starting point? Model ? Lines? Walls?
2. What's the transport technique?
3. Does it require an attachment?
    a. If so, What kind of motion does it require?
    b. What's the power source ?

Idea	Pros	Cons
Use a passive attachment	Doesn't use a motor + doesn't take up a lot of space	Don't what to use
Use arm	Same attachment for Mission 03, no need to use 2 motors	Uses a motor
Passive attachment: slope	Passive and doesn't use a motor	Bumps into barrier and takes too many turns



Design/Prototype

Use pen/paper or Studio software or legos to design/prototype.

Design	Reflection
Use a slope	Too big, doesn't work
Base arm with axle	It works but have to make adjustments which will mess up M03
Use an L shape	Works except isn't stable sometimes so isn't reliable

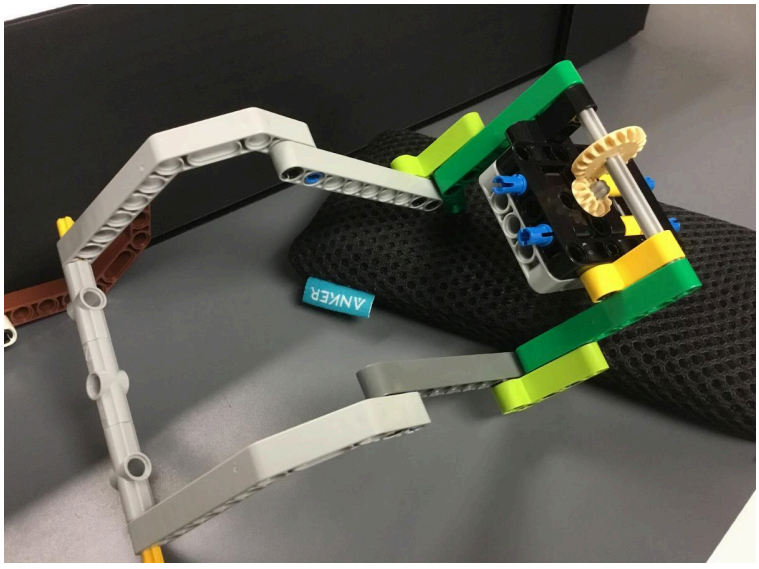
Build/Test/Improve

Build	Reflection
Use the arm for M03	Takes too much time +Trying to do more mission on same run, takes too much space
Use a different passive attachment that is sloped but also stable.	Works pretty well, final attachment

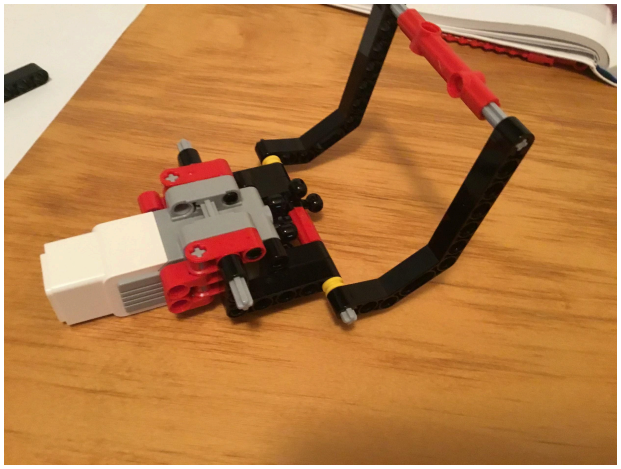
Document/Reflect/Share

Write a blog/post a video

Initial attachment

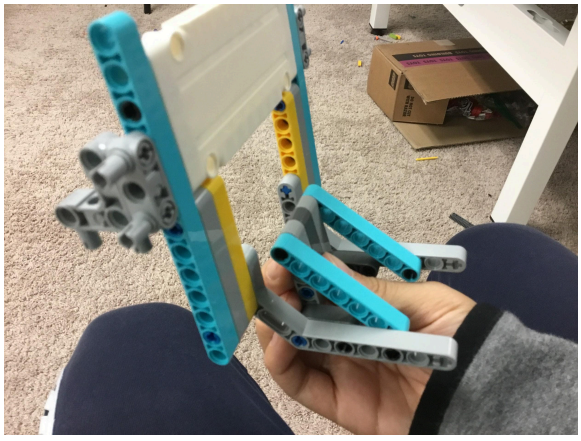


Changed to active arm (lift)

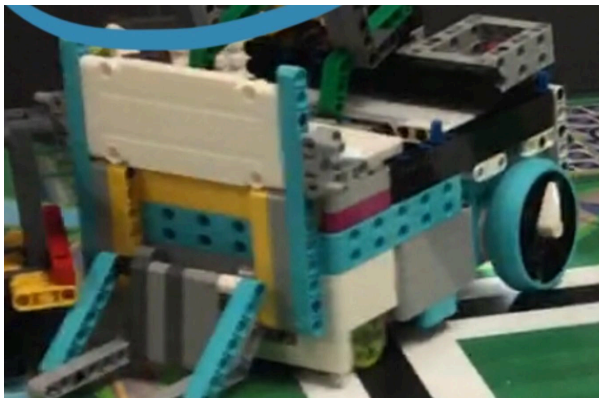


Switched to one slope and moved to back

Switched to new double slope



Moved slope to back



Moved slope back to front