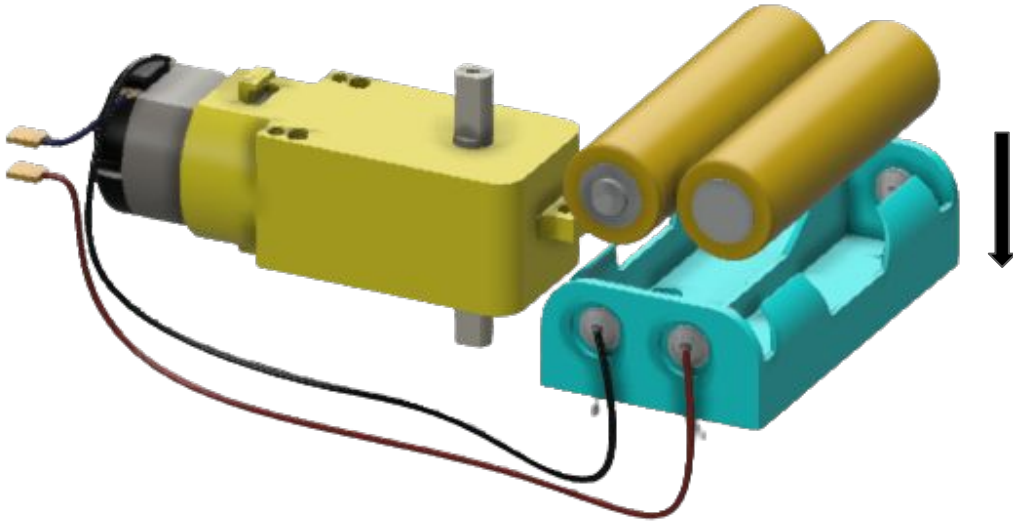


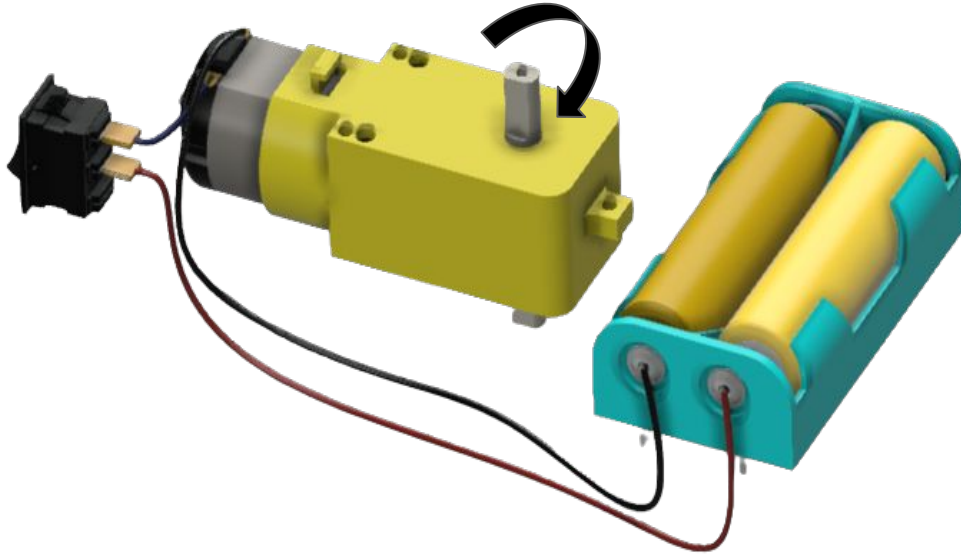
# STEP 1

Insert AA batteries into the battery holder



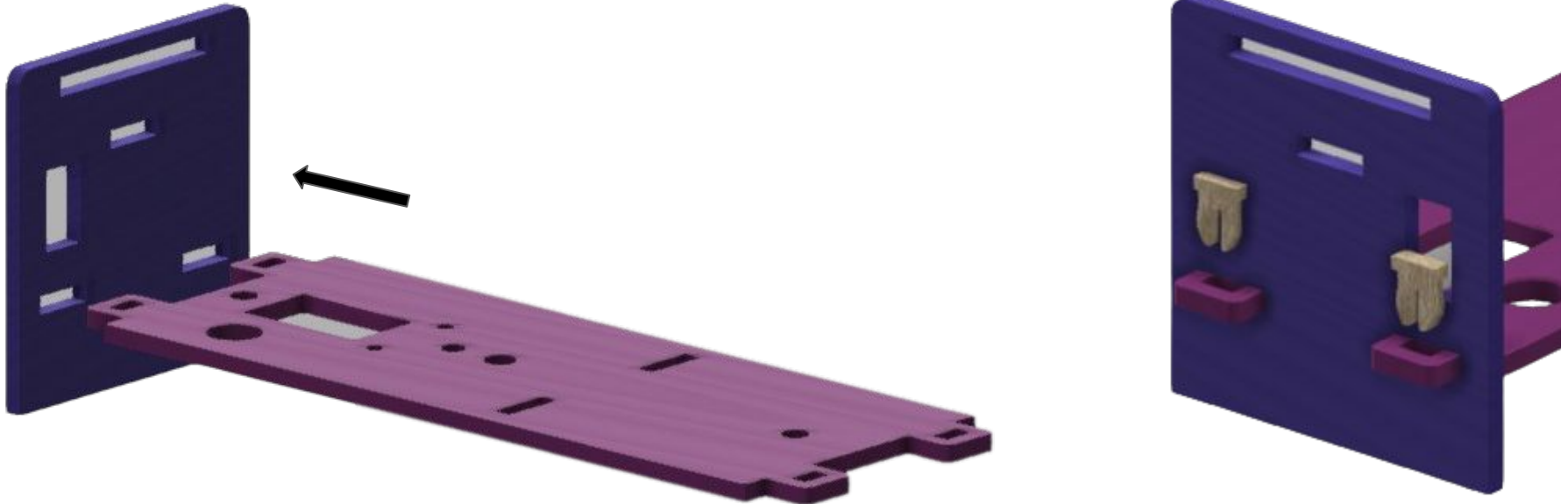
## STEP 2

To test the circuit, insert the switch into the switch clips



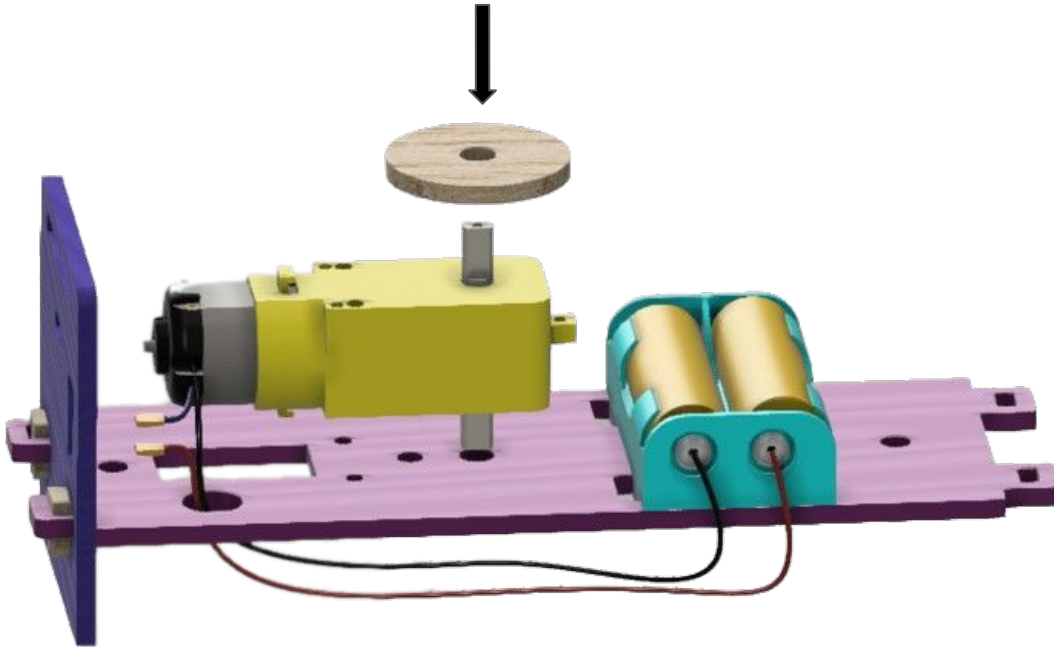
## STEP 3

Secure a platform leg to the platform base by inserting and firmly securing them together using clips.



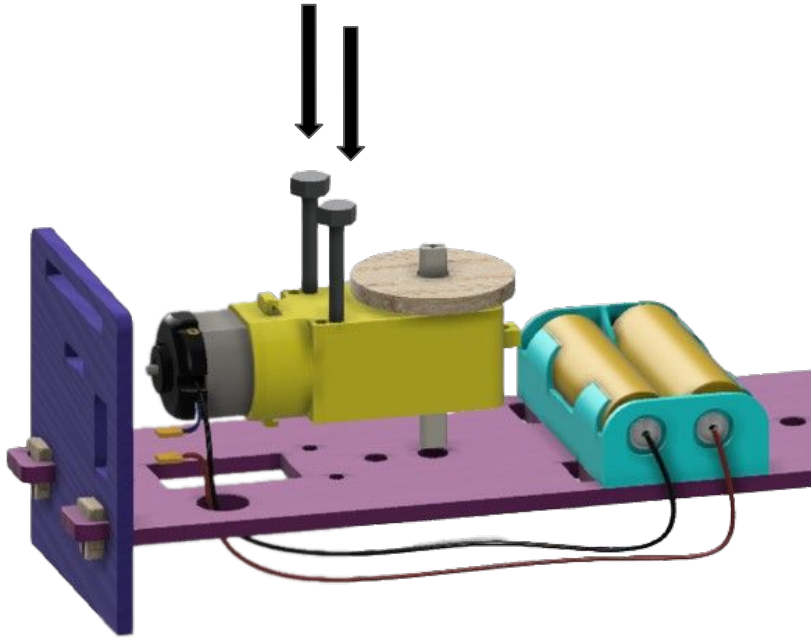
# STEP 4

Insert the spacer through the gear motor axle



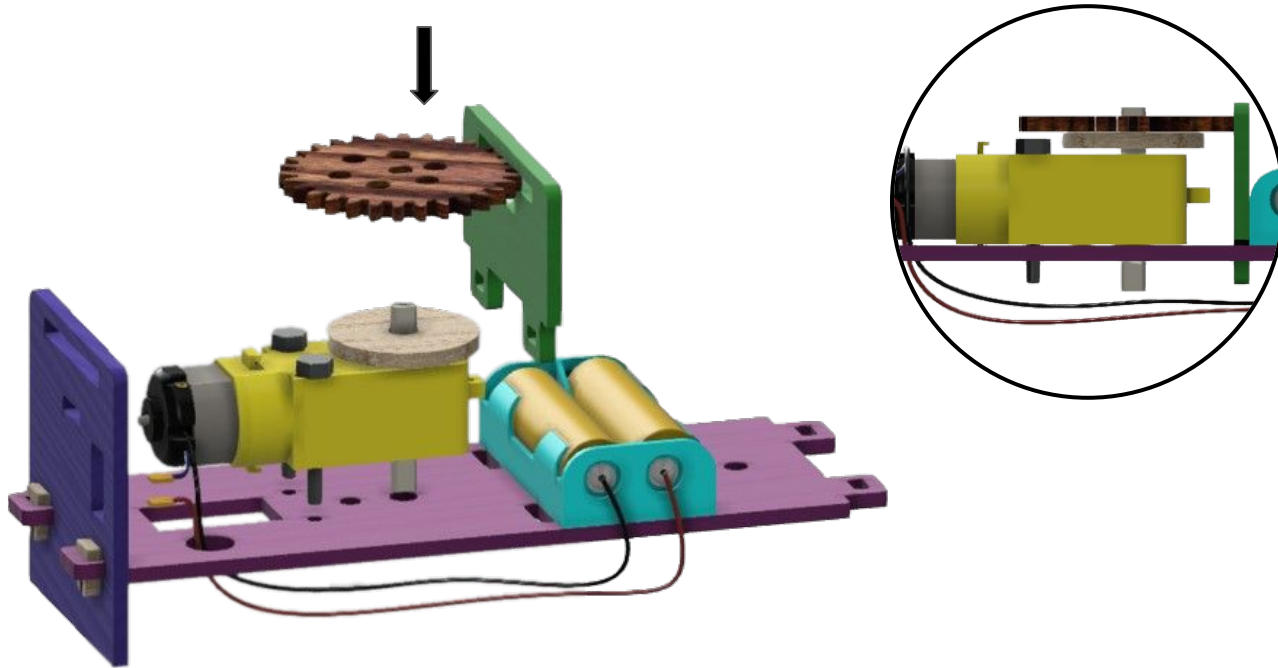
# STEP 5

Insert screws through the gear motor.



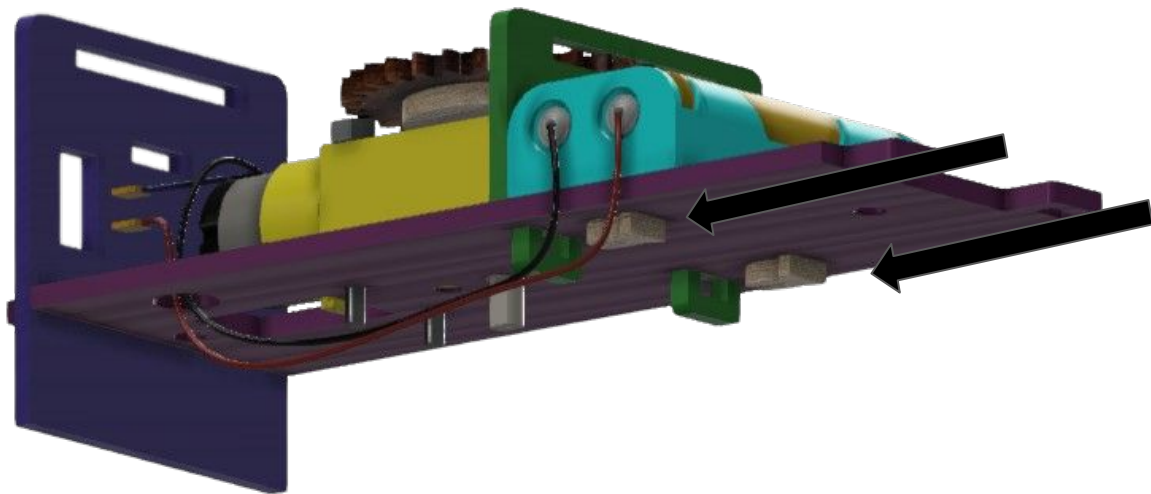
# STEP 6

Insert smaller gear through the bracing and lower it into position



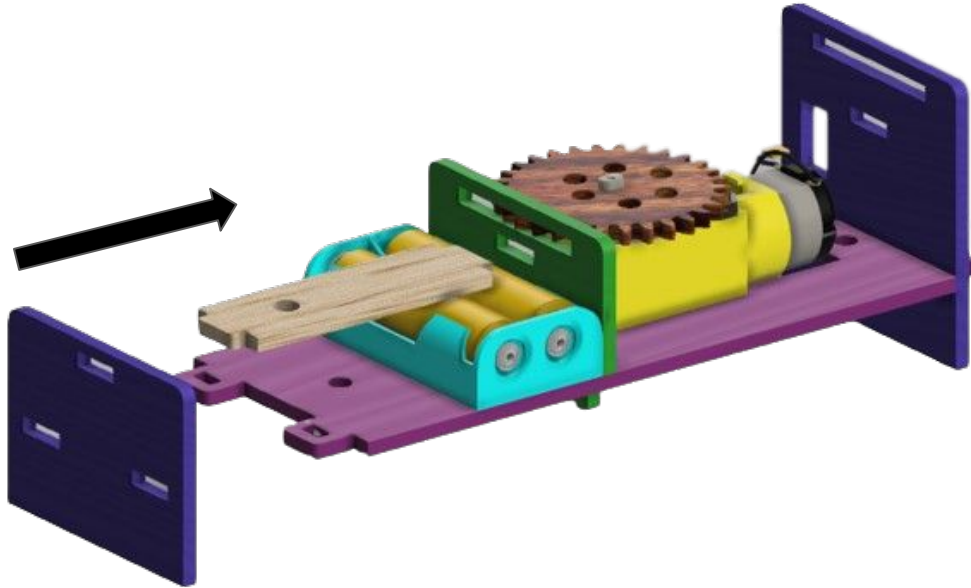
# STEP 7

Secure the bracing using clips



## STEP 8

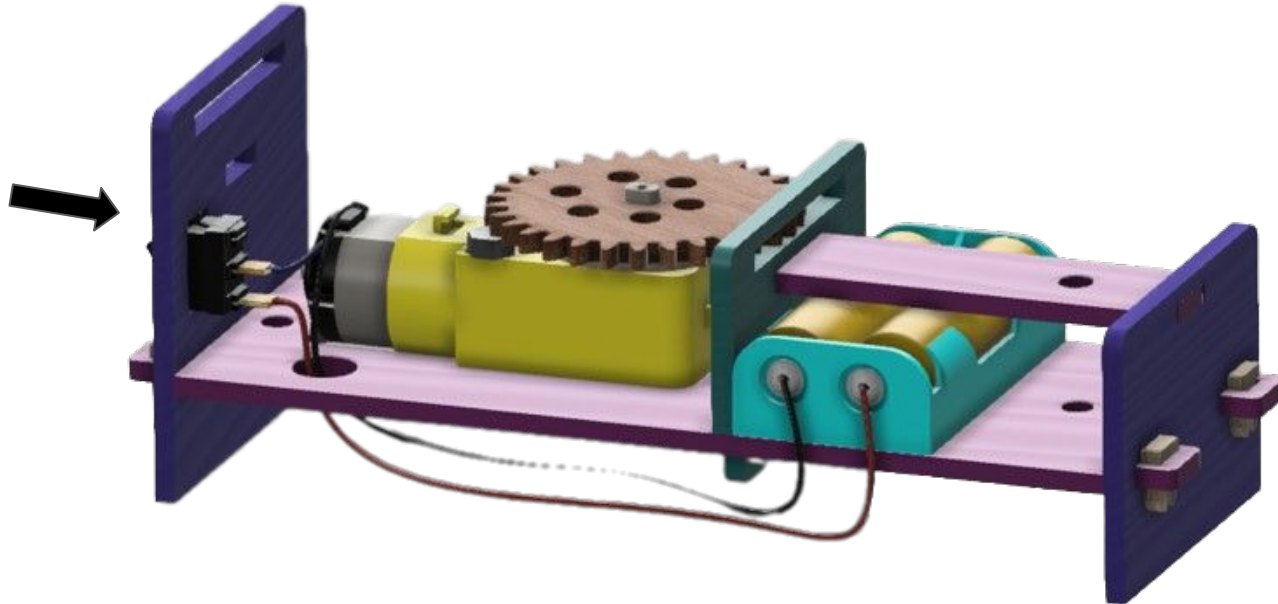
Insert the structure support through the bracing, and thread the platform leg through both the structure support and the platform base.





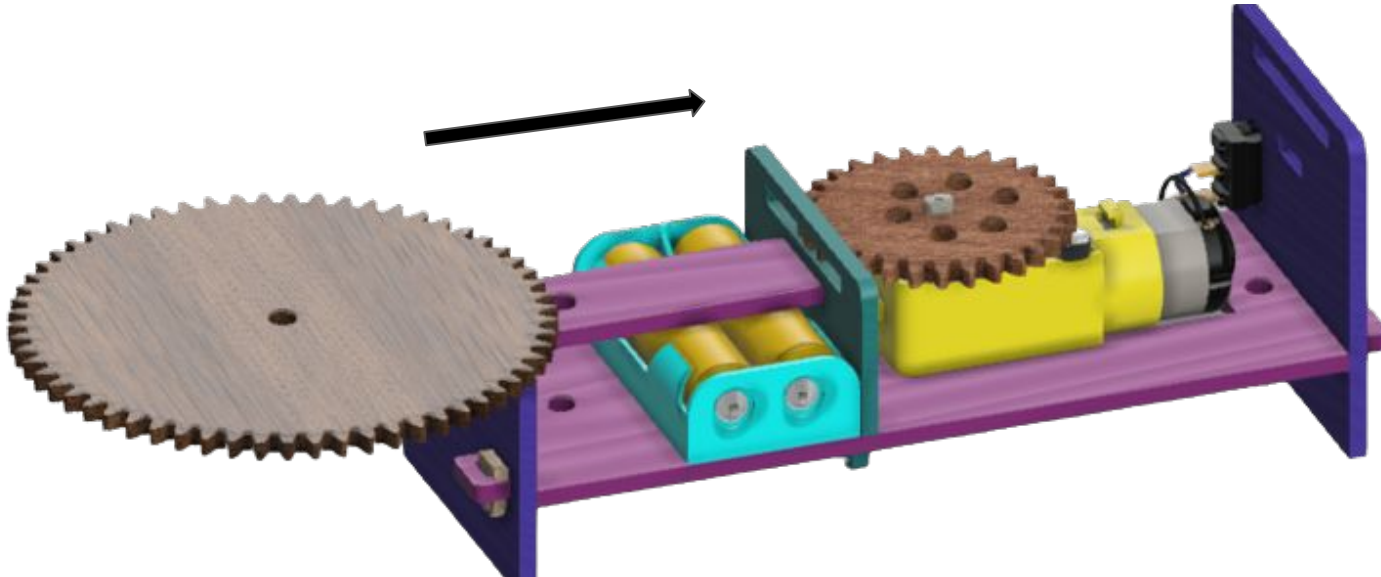
## STEP 9

Insert the switch through the platform leg and connect it by using switch clips



# STEP 10

Slide the big gear into position, making sure it meshes with the smaller gear.



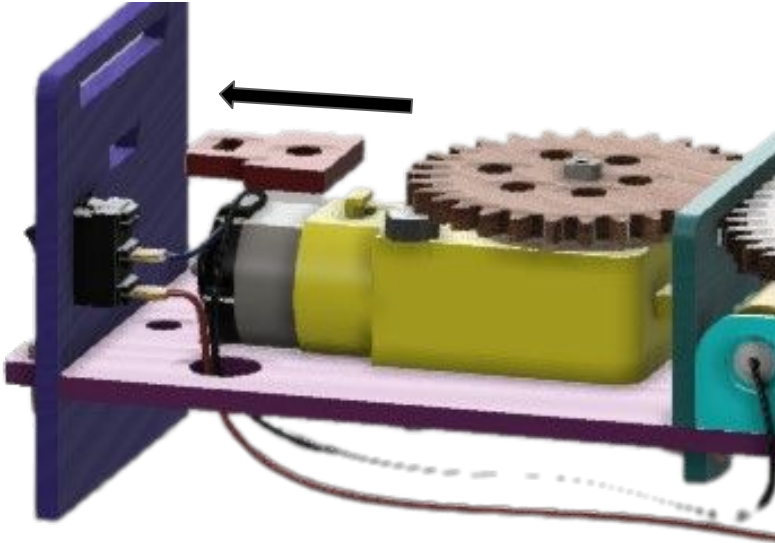
# STEP 11

Insert a longer round stick through both the larger gear and platform base.



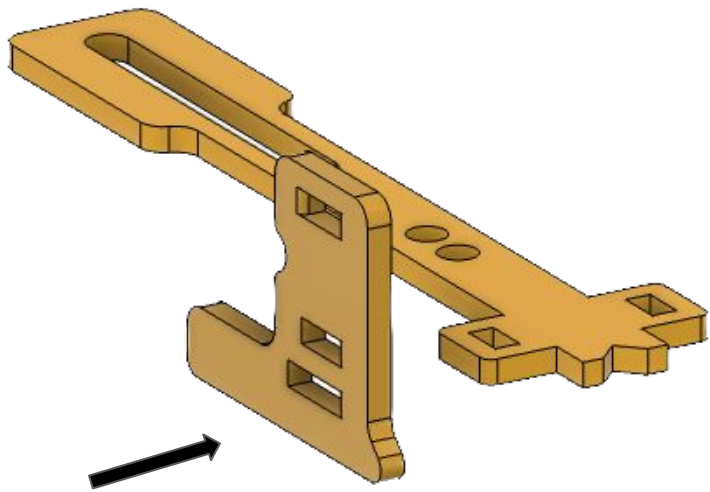
## STEP 12

Insert the axle support through the platform leg and secure it using clips



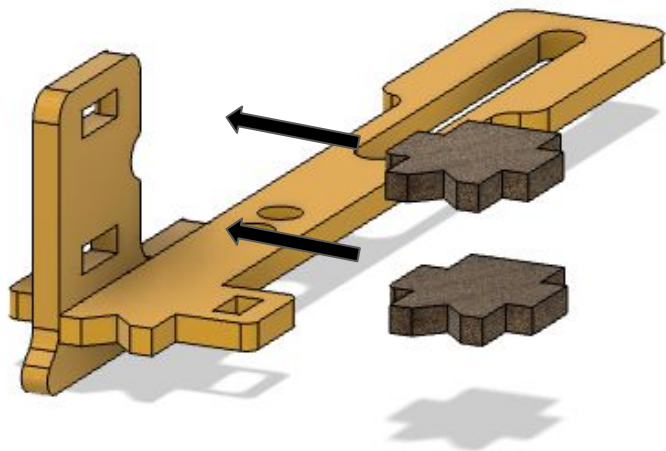
# STEP 13

Insert the pen holder side through the arm



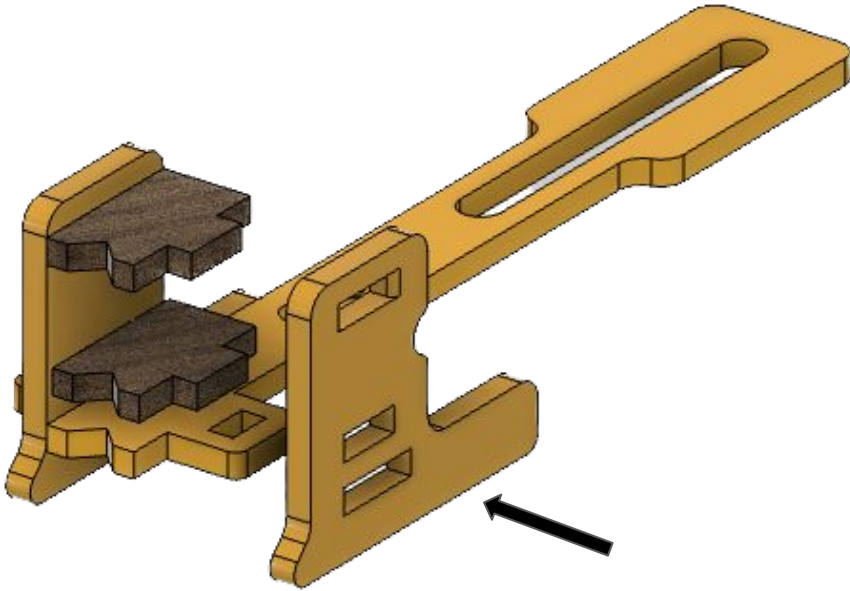
# STEP 14

Insert the pen holder spacers through the pen holder side



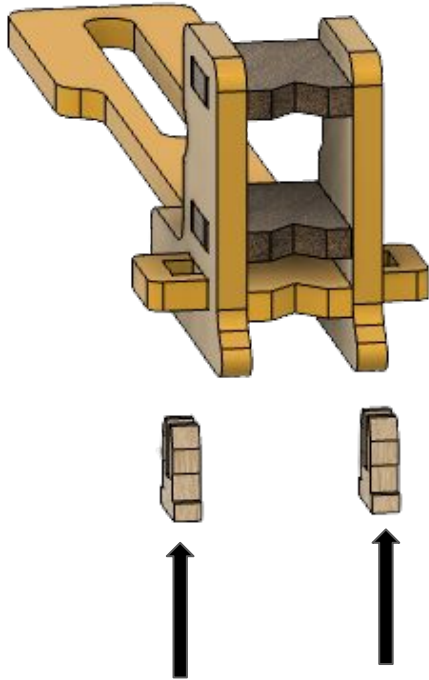
# STEP 15

Insert the pen holder side through the pen holder spacers and arm



# STEP 16

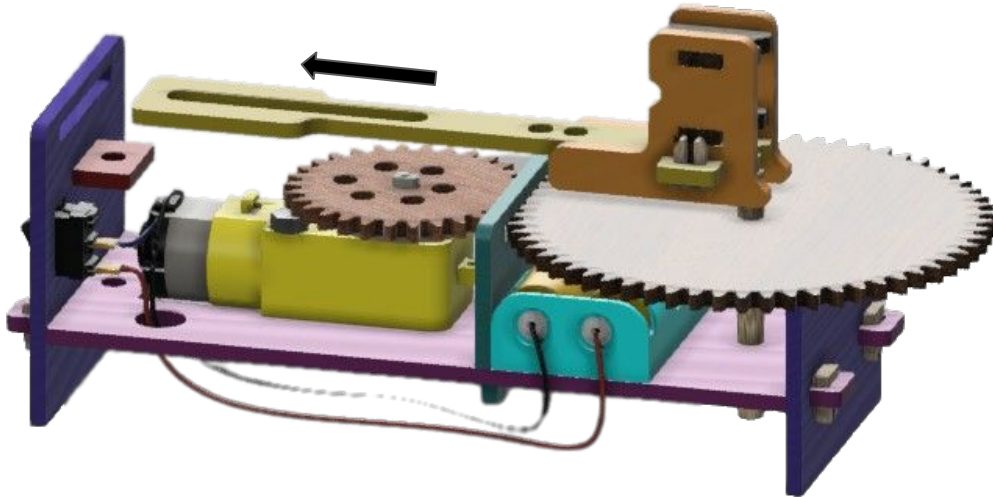
Using clips secure the pen holder sides to the arm





# STEP 17

Slide the arm through the opening in the platform leg



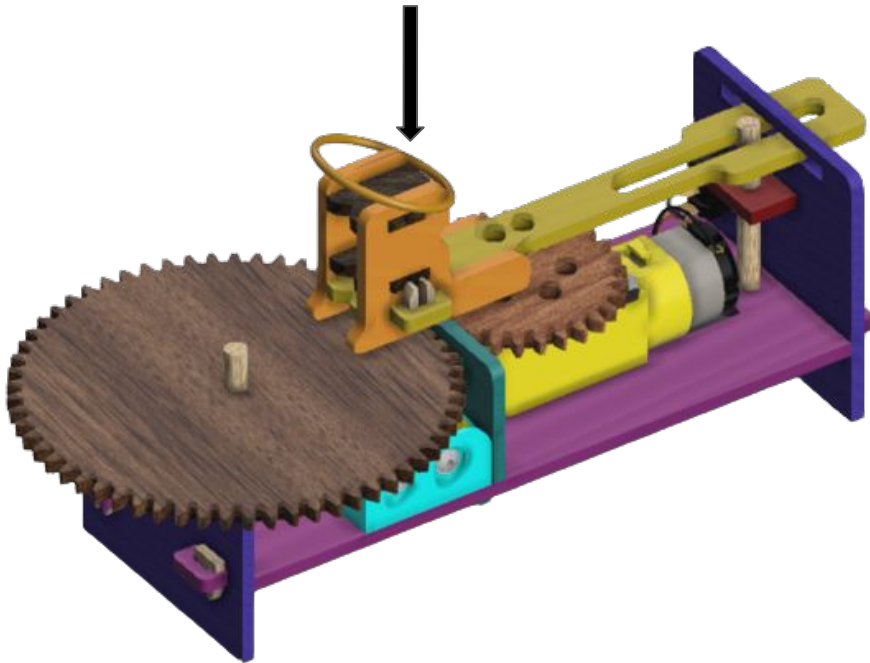
# STEP 18

Insert a longer round stick through the arm, the axle support and platform base



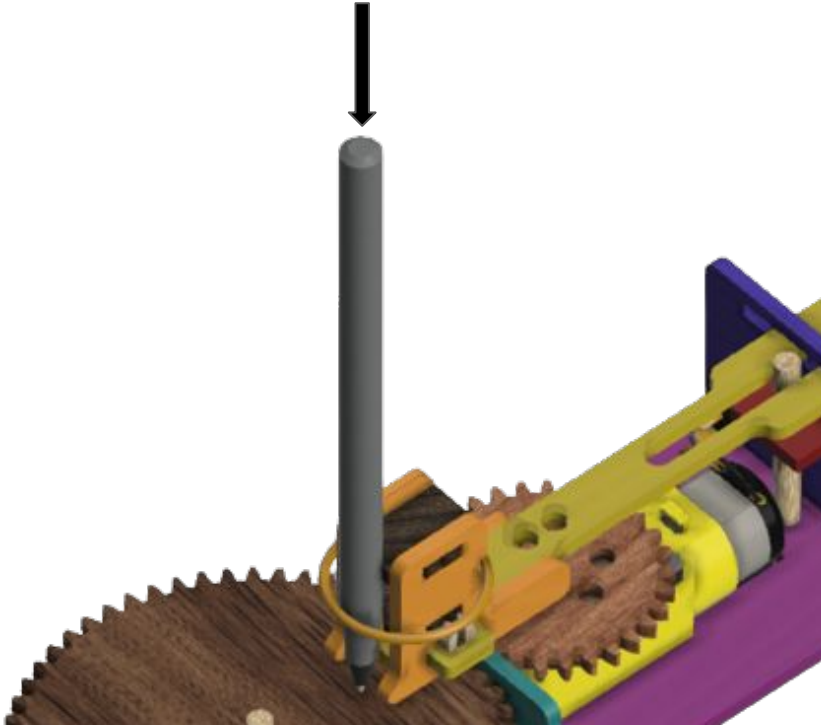
# STEP 19

Secure a rubber band to the pen holder



## STEP 20

Slide a marker through the space between the rubber band and pen holder



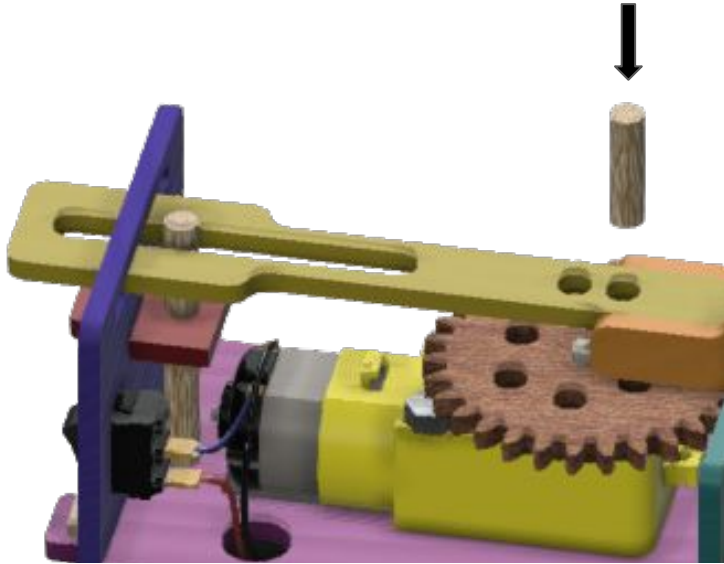
# STEP 21

Place a round piece of paper on the larger gear



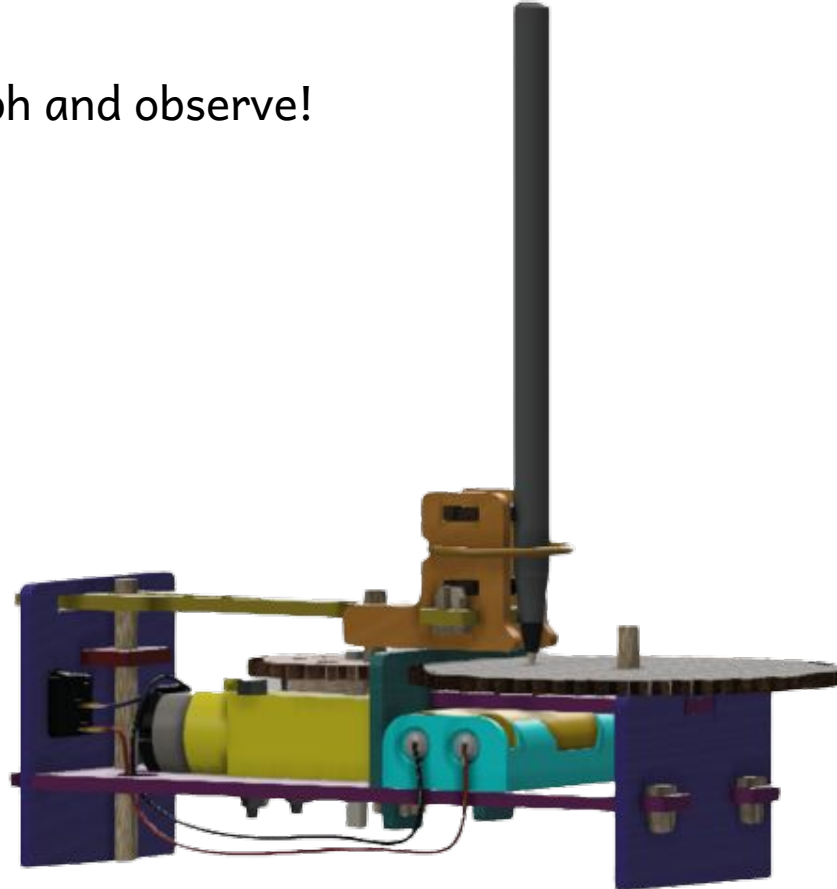
## STEP 22

Insert the smaller round stick through a desired hole in the arm, and a corresponding hole in the smaller gear

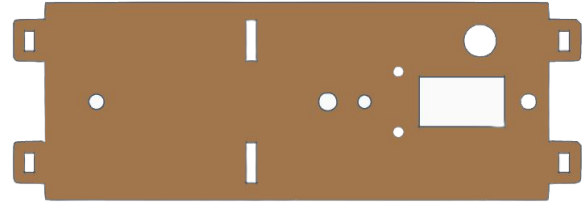


# STEP 23

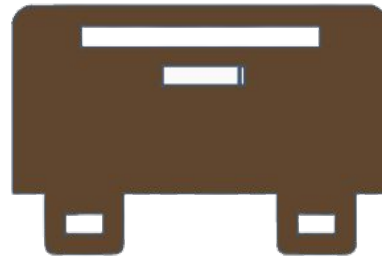
Turn on your Spirograph and observe!



# Components Needed



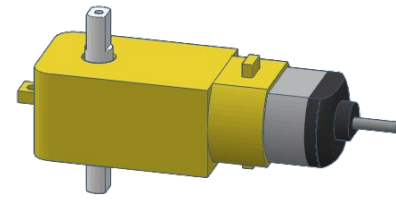
Platform



Gear Wheel Bracket



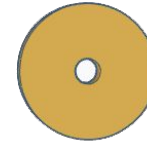
Supportive  
Bracket



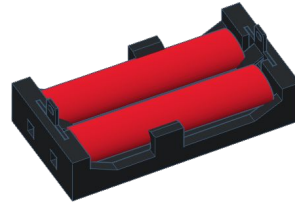
Gear Motor



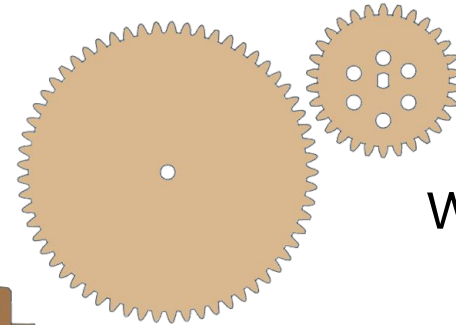
3 \* Round  
Sticks



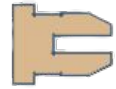
Round Wheel



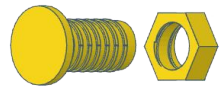
2 \* AA Batteries and  
Battery Pack



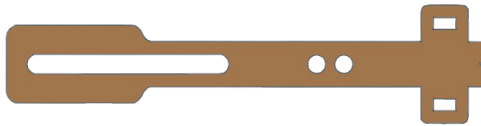
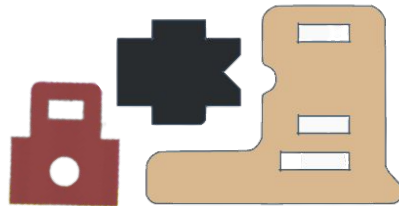
2 \* Gear Wheels



Wooden lock



Bolt and Nut



Pencil Holder



Switch



Rubber Band



