

Stegosaurus 2



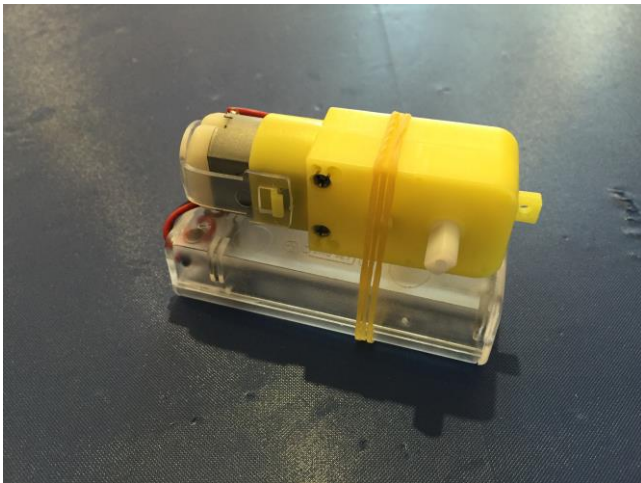
Before starting, check all the parts from the previous lesson.

Cover the tables with table cloths.

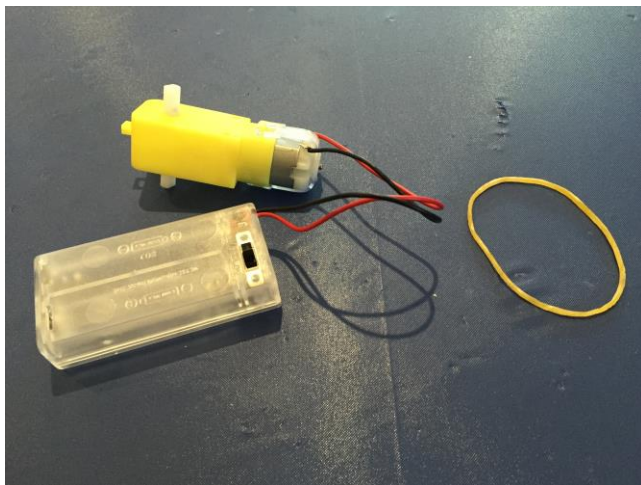
This lesson we are going to assemble the motor.

Before starting give the students safety instruction of how to handle the motor.

Motors should be on the table at all time! No motor should be held in the air. If they students need help they may call on the instructor. Students are not allowed to walk in the classroom holding the motor in their hand.

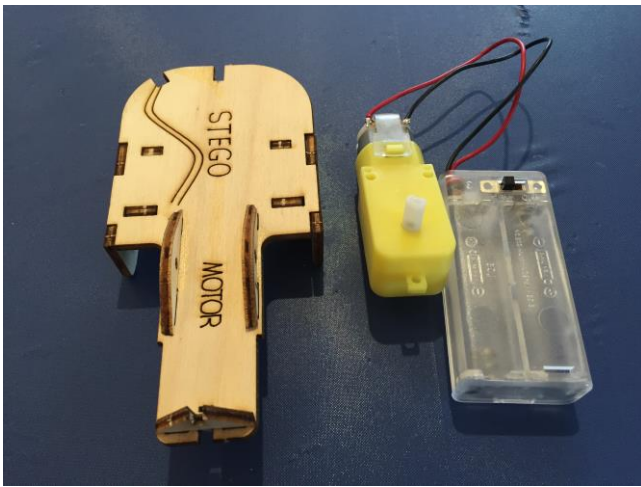


This is the motor. In case you get a different motor, ask your supervisor how to assemble the motor correctly. If you have the motor shown in the photo, follow the instructions.

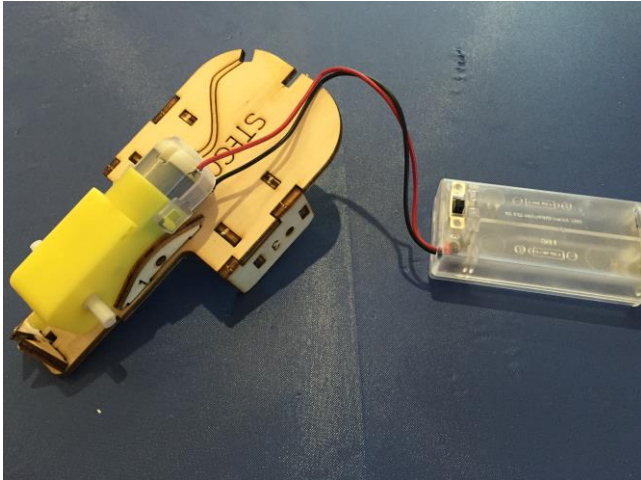


The INSTRUCTOR MUST take off the rubber band and keep it!!!

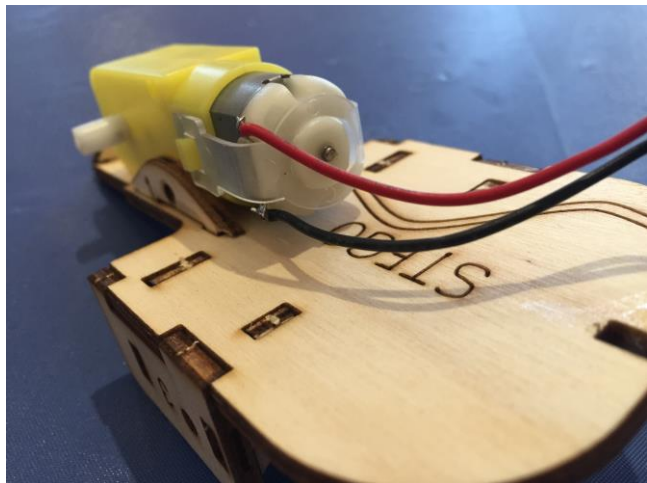
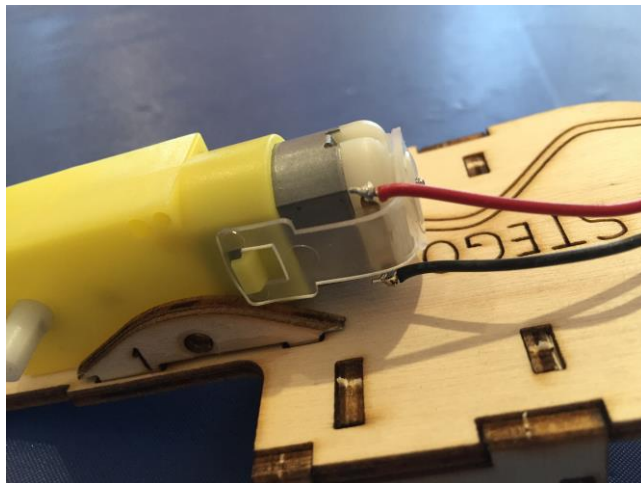
Only then, hand over the motor to the students.



We are going to place the motor on the card. You can see the word “motor” that indicates where to place the motor.



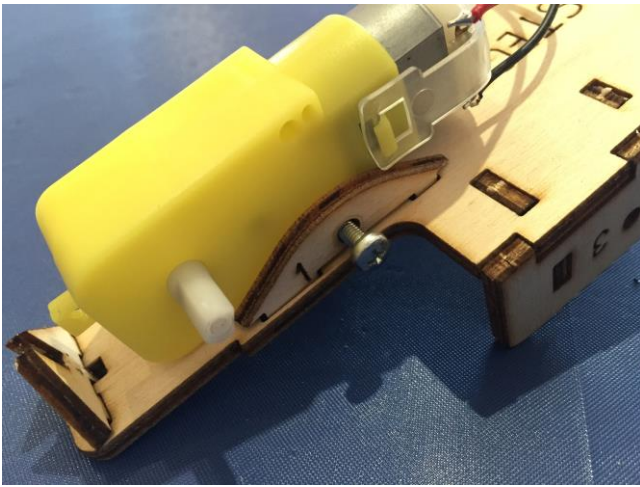
Place the motor so its bottom holes are aligned with the holes of parts marked “1”



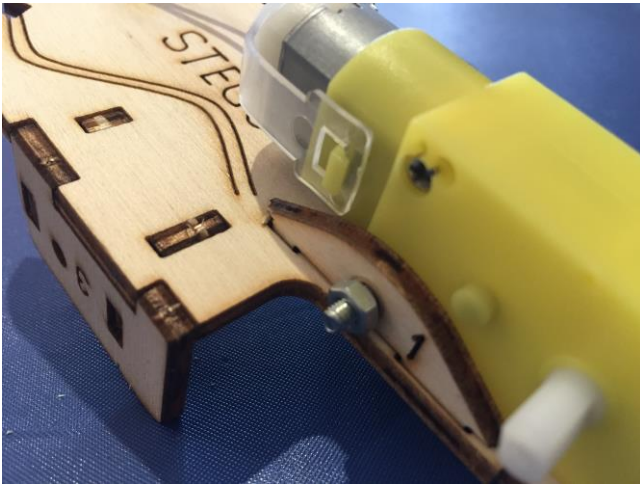
RED WIRE SHOULD BE ON TOP!!!!
Once all the students place the motors in place, check all the models. Do not continue until you checked all the motors.



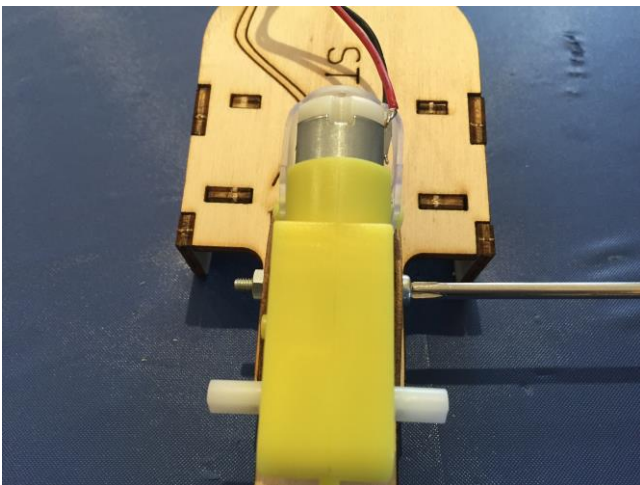
Once checked, hand each student one 30 screw and one regular locknut.



Insert the locknut from one side, through the motor, out from the other side.



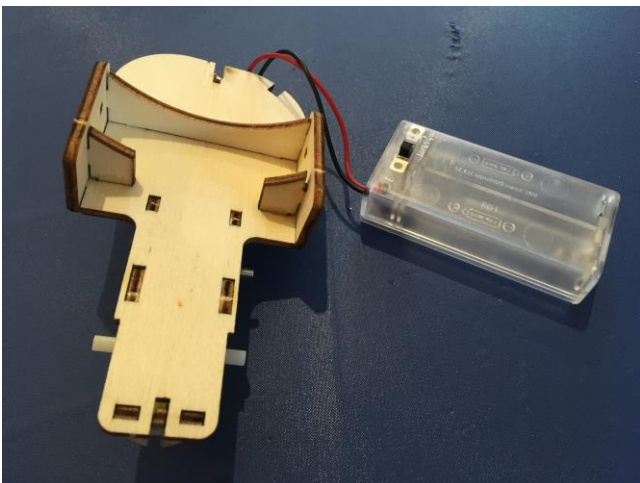
Place the locknut from the other side



Give the students the safety instructions regarding screwdrivers.

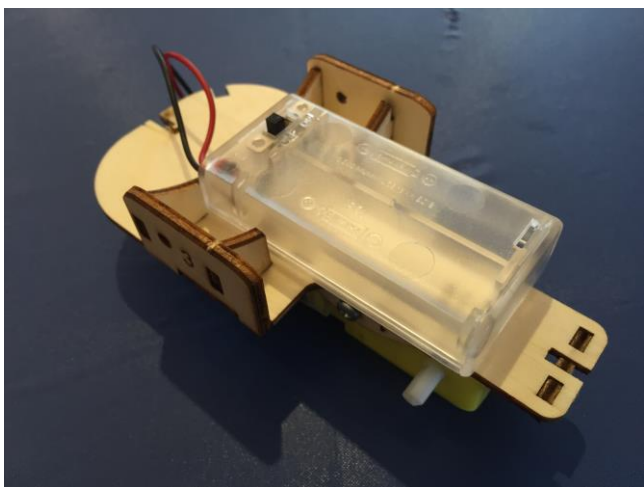
Hand each students a screw driver.

Tighten the screw. Once done, collect all the screwdrivers and double check the models.



After checking and collecting the screwdrivers. Flip the card over so the motor is facing the table.

DO NOT USE GLUE!!!!



Push the battery box into its place when the switch is on top.

If you were told the students receive batteries with this model, you can insert the batteries now.

DO NOT GLUE THE BATTERY BOX!!!!

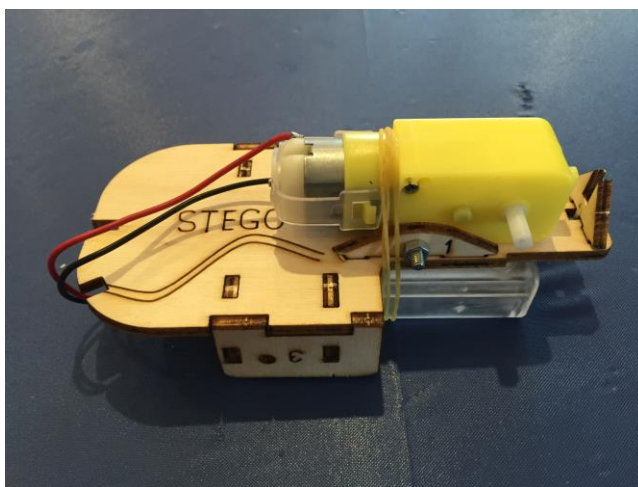
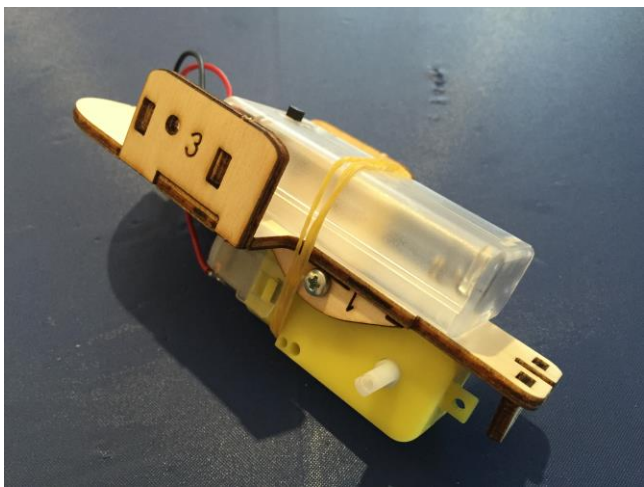


Next, we are going to use the rubber band from earlier to secure the battery box in its place.

GIVE SAFETY INSTRUCTION about rubber bands.

Then hand over the rubber bands.

If the students are K or 1st graders. Do this step for them.

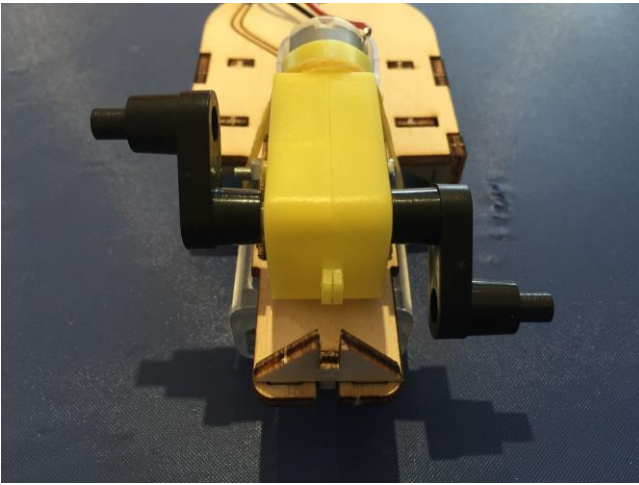


Twist the rubber band around the battery box and the motor.



CHECK ALL THE MODELS!!!

Once done, hand each student 2 plastic crank shafts.

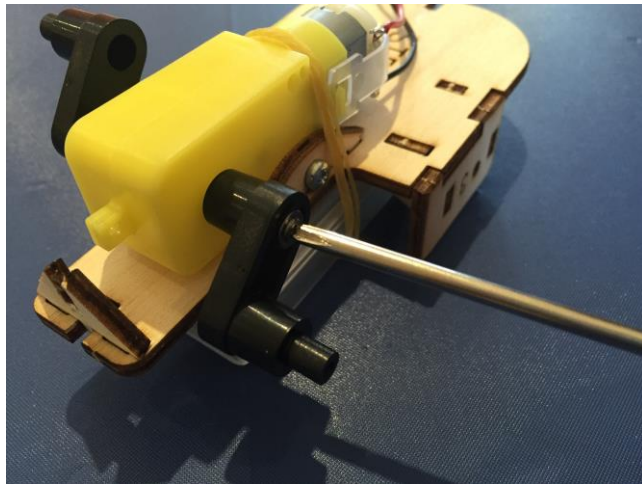
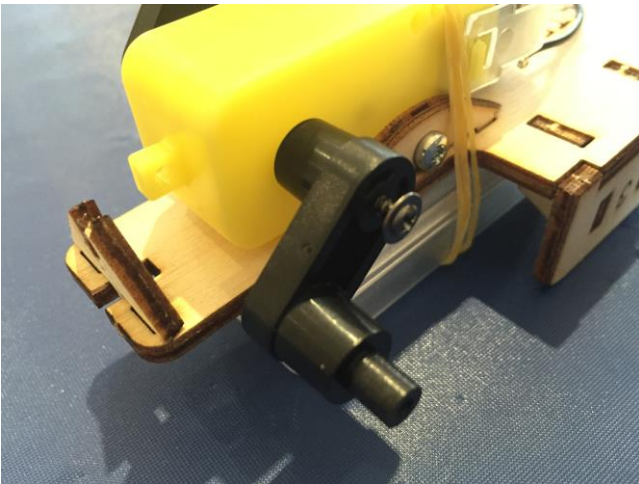


Place the shafts so they are not symmetrical.

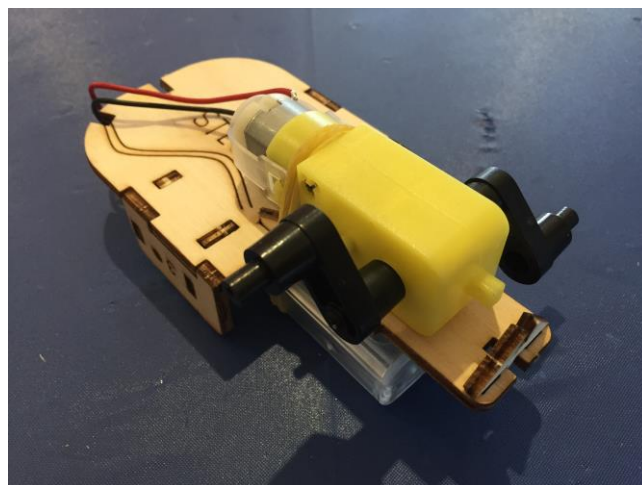
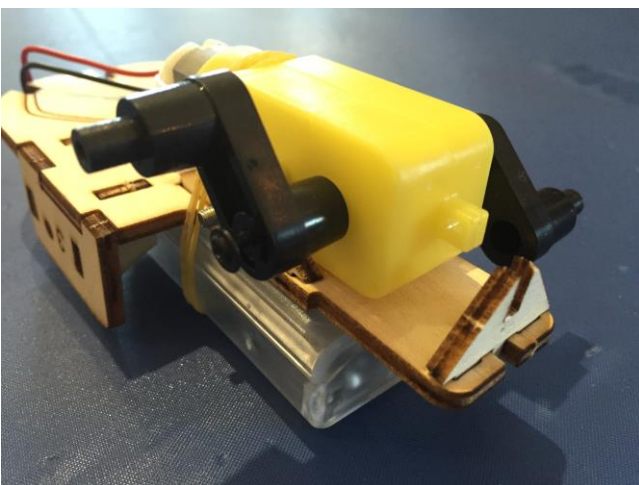
The shafts should face opposite directions.



If the students placed the shafts correctly, hand them 2 driller screws.



Insert the screws to the center of the shaft (where it connects to the motor) and over screwdrivers, and screw it in. Make sure to twist it all the way, and the 1 twist back.



Once done with the first one, do the second one.

Double check all the models. Collect all the material, put the models in the bags and clean classroom.