

Hummer 6



Before starting, check the parts from the previous lesson. If you need to fix them, do it before you move to the next class.

Once checked, continue to the next part.

Take the two wheels and the rear axle.



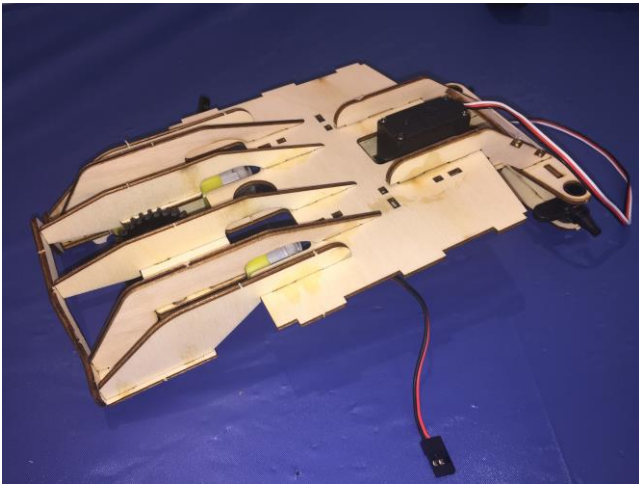
Glue one wheel, make sure the axle is inserted all the way into the wheel



Once done, glue the 2nd wheel as well.

CHECKPOINT!

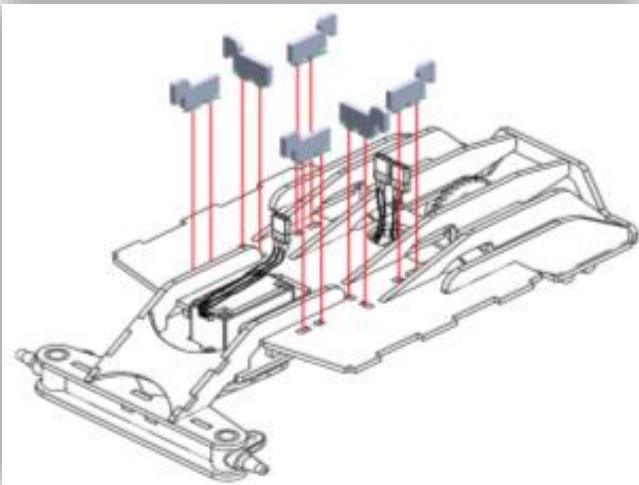
Check all the models.



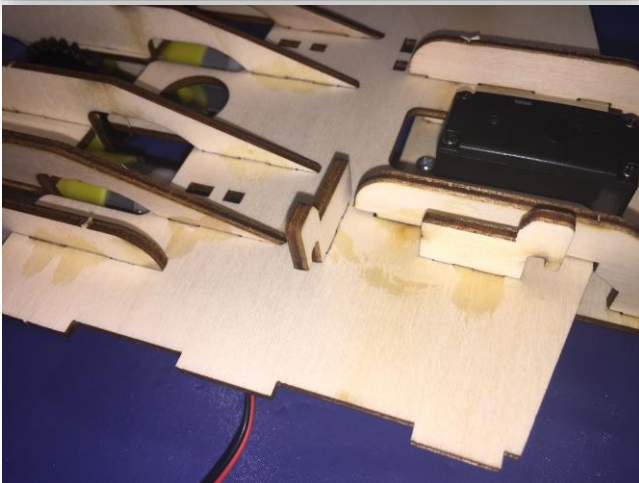
Flip the model and place on the table.



Pop out the parts shown in the picture



Glue them to their places on the model

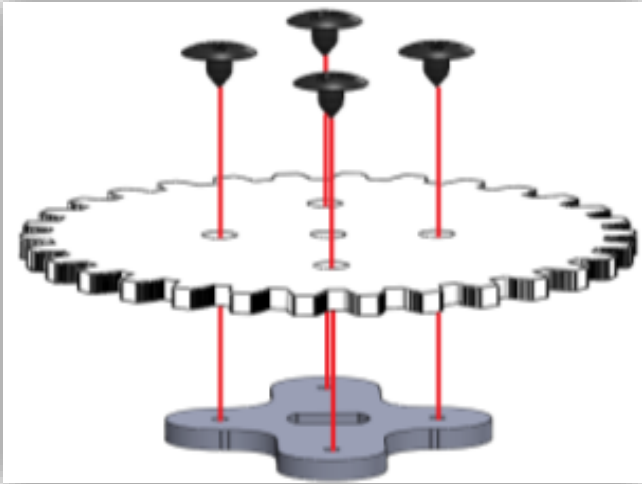


This is how the parts should look like after you're done.

CHECKPOINT!



Once checked, hand each student 1 black gear and 4 bug screws. Also, pop out the part shown in the picture.



As shown in the sketch, drill the screw through the gear and into the wooden part.

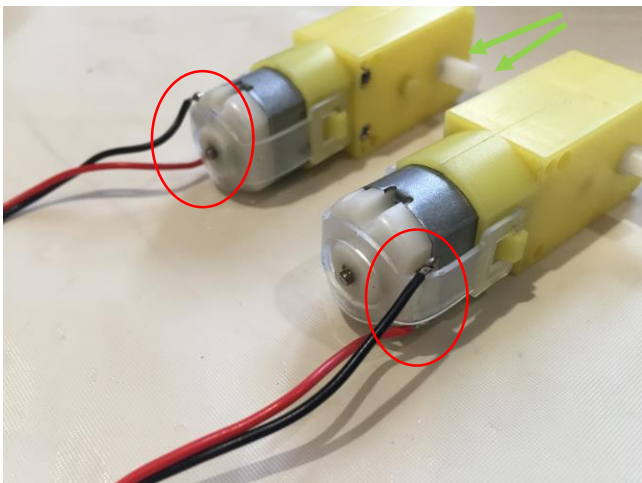
Make sure the wooden part is centered.



Once done, do the same thing with the 2nd gear.

CHECKPOINT!!!

Check all the models before continuing.



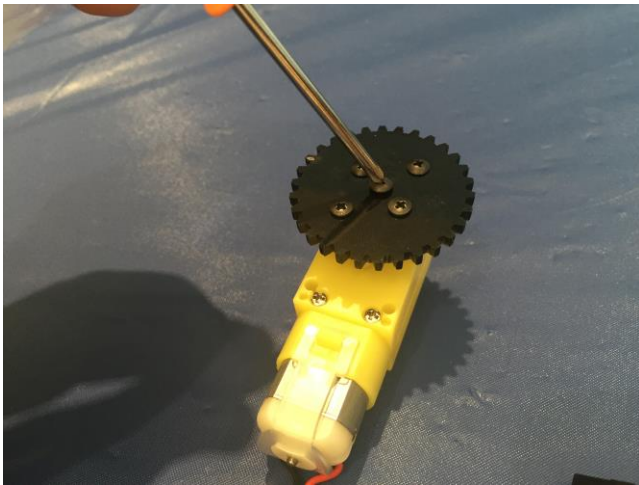
Place the motors on the table so the red wires are facing the same way, and the black wires are facing the same way.

It doesn't matter if black is up or down as long as both black wires are either facing the table or facing up (red circles)

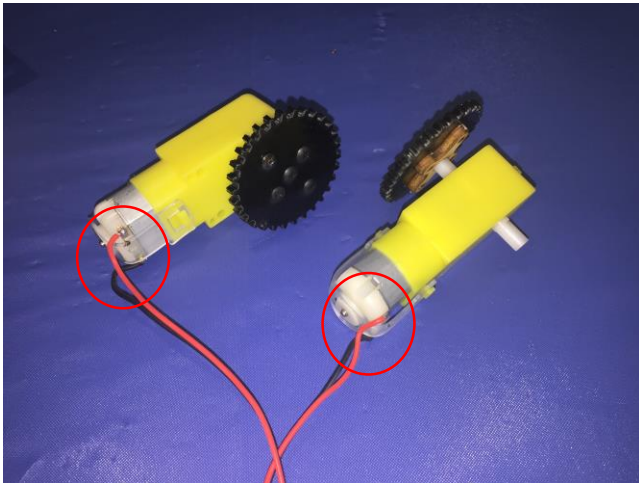
The gears will be placed between the motors (green arrow).



Hand each student 2 bug screws.

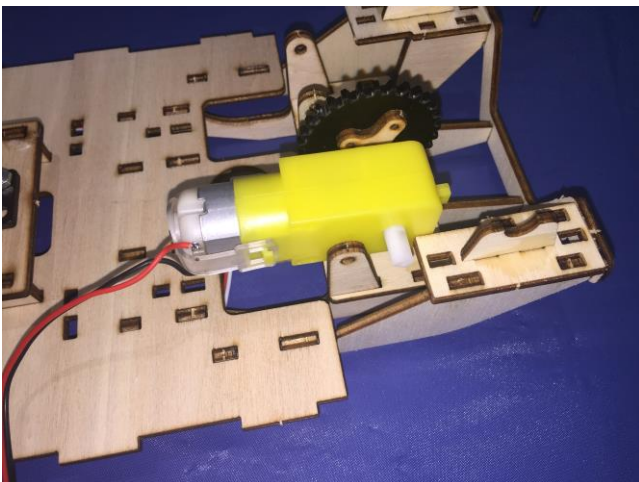


Put the gear onto the motor and screw it to its place using the bug screw

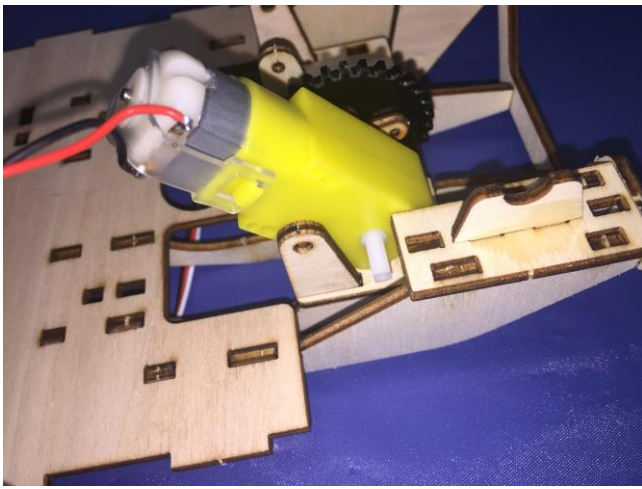


Once done, you should have both gears assembled onto the motors.

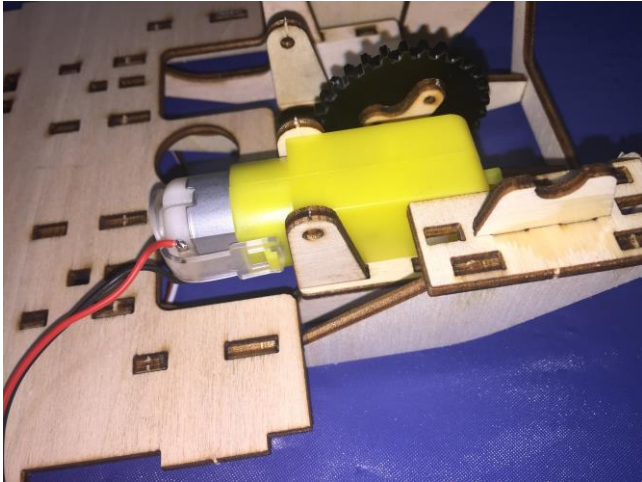
Double check the same colored wires are facing the same directions. Black wires are either facing the table or facing up (red circles)



Place the model as shown in the picture. We are going to assemble the motors on it.



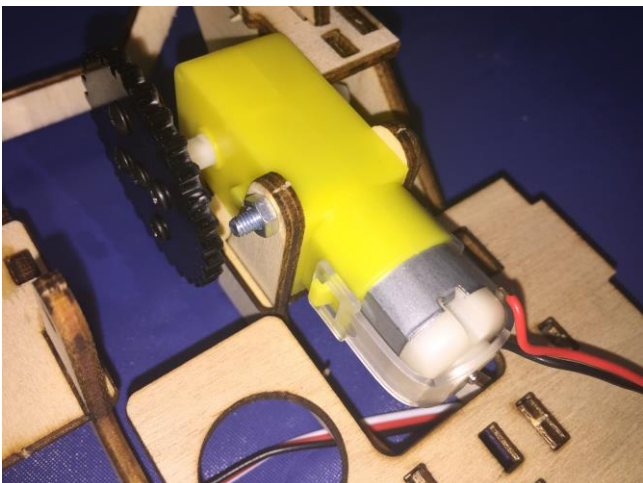
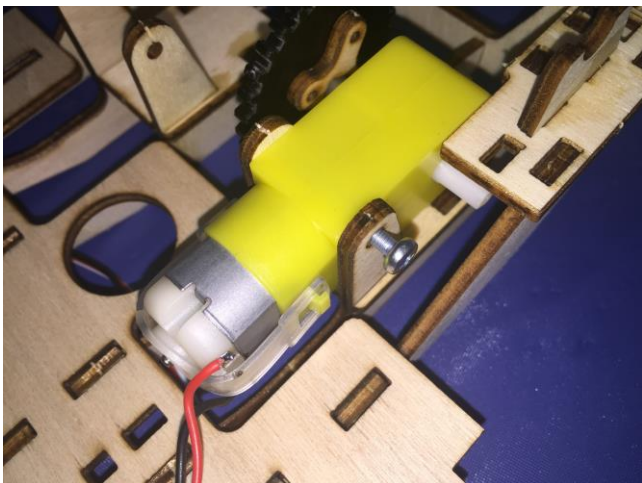
Tilt the motor so the white hinge can slide in



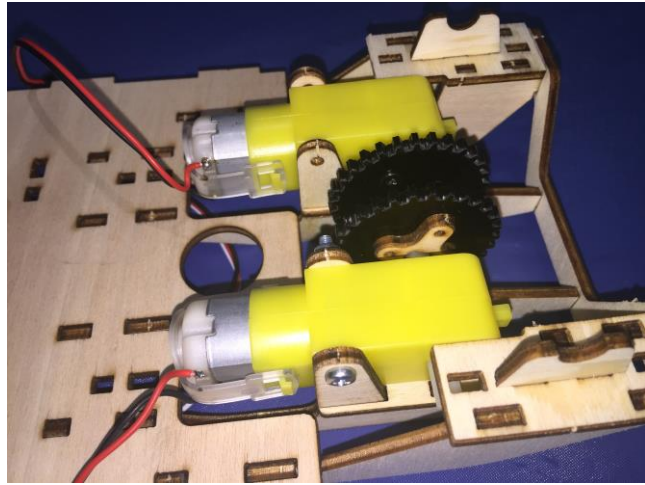
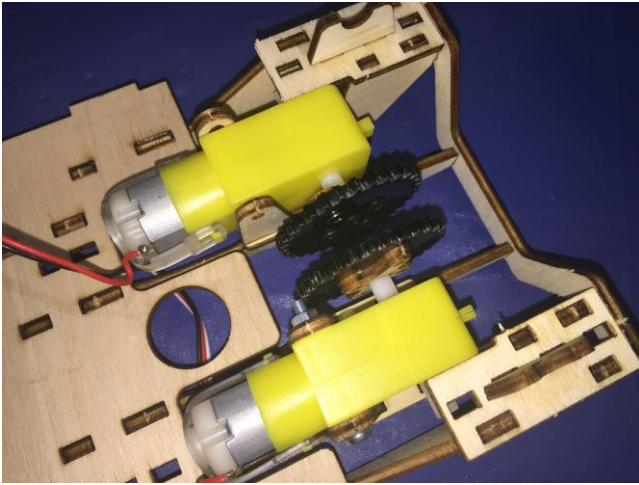
Slide the motor into its place



Hand each student a 30 screw and a regular lock nut



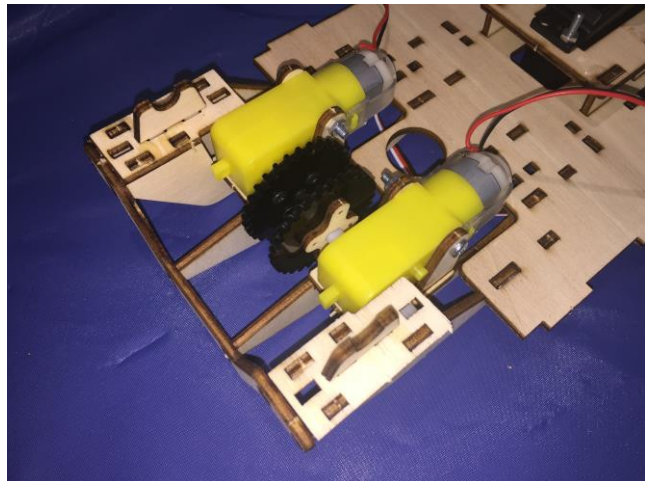
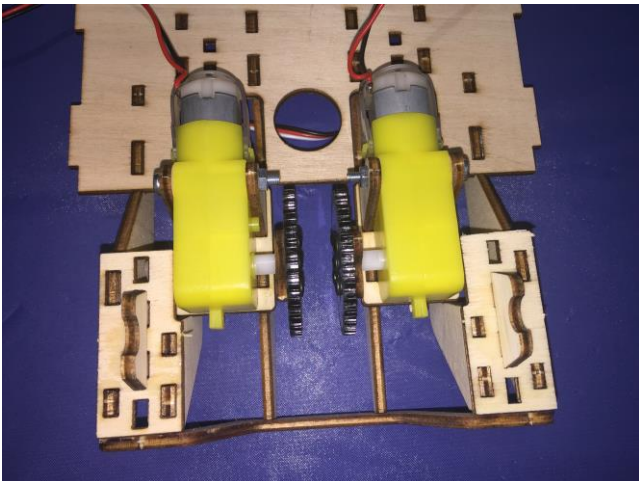
Insert the screw from the outside and place the nut from the other side.



Do the same with the other motor. **Make sure the gears are facing each other.**

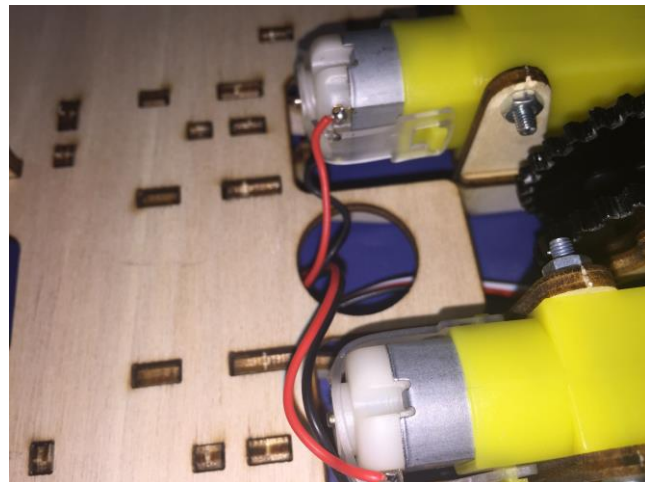
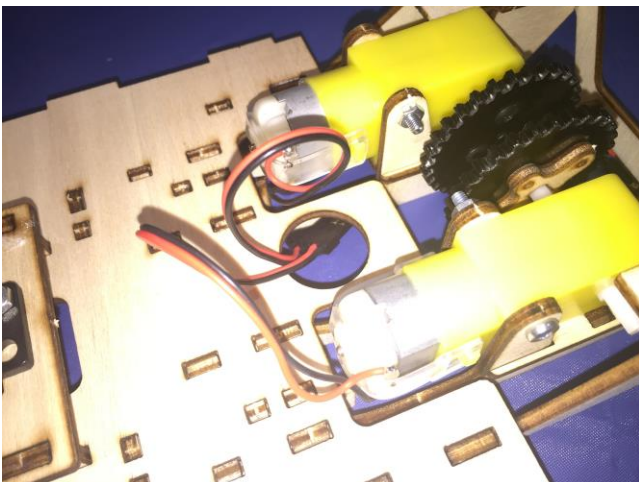


Hand each student a 30 screw and a regular lock nut



Insert the screw from the outside and place the nut from the other side.

Make sure the gears are facing each other.



Slide the wire into the hole and pull them through