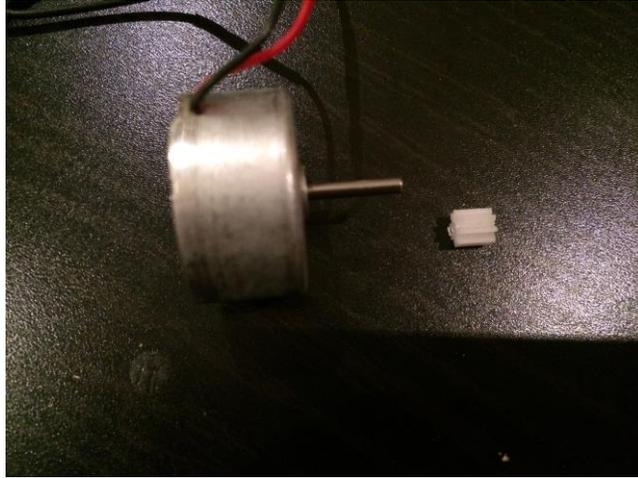
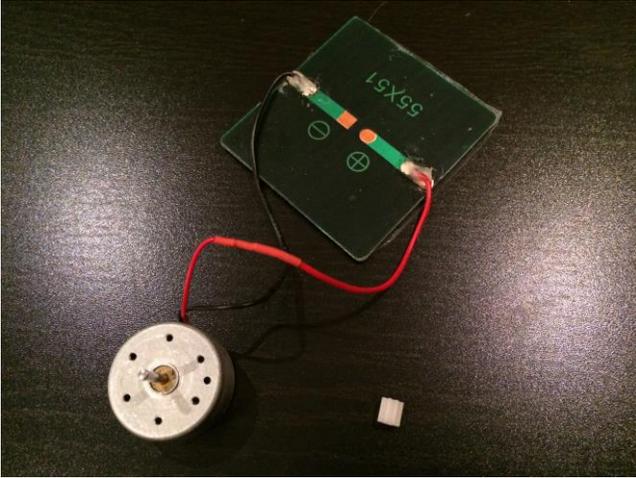
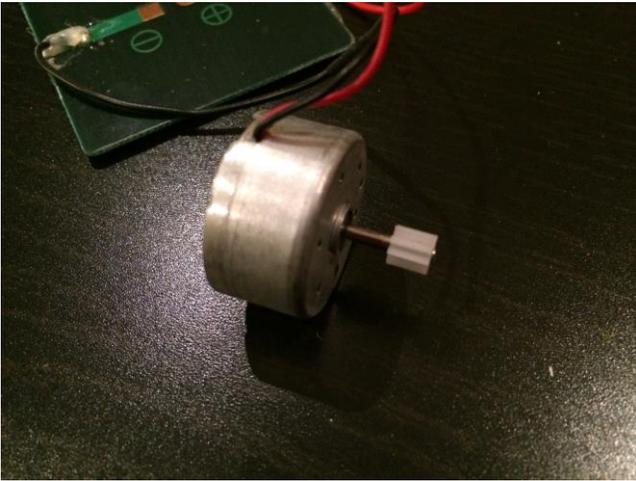


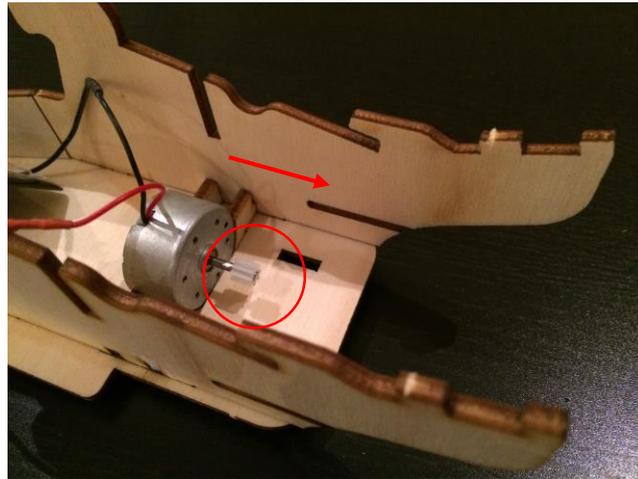
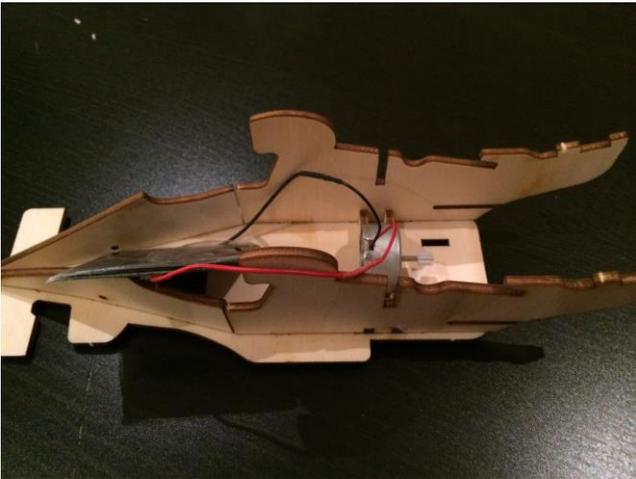
Solar Racer 2



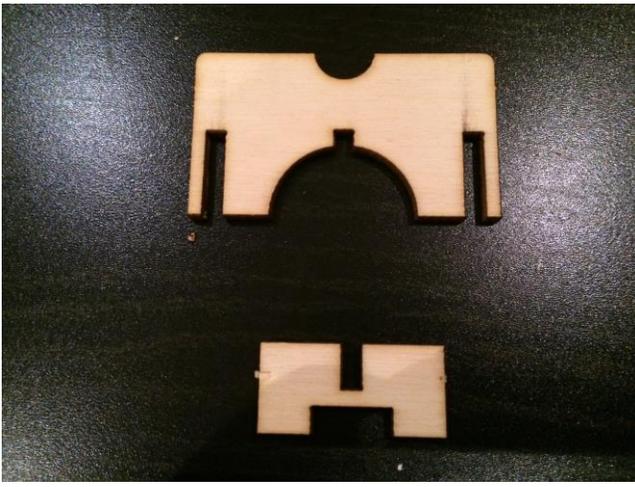
Hand each student a motor, and a small white cog wheel from the bag



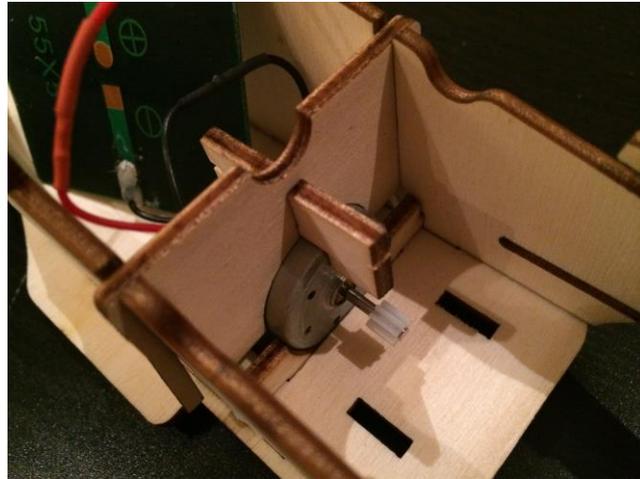
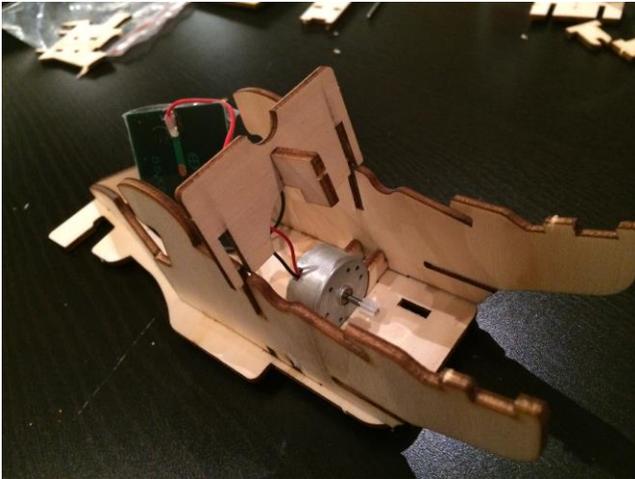
Place the cog wheel on the table, then press the hinge into it from above (use table to pressure the part in)



Place the motor in its place when the wires are facing up. Make sure the hinge (cog wheel) are facing the back side of the racer.

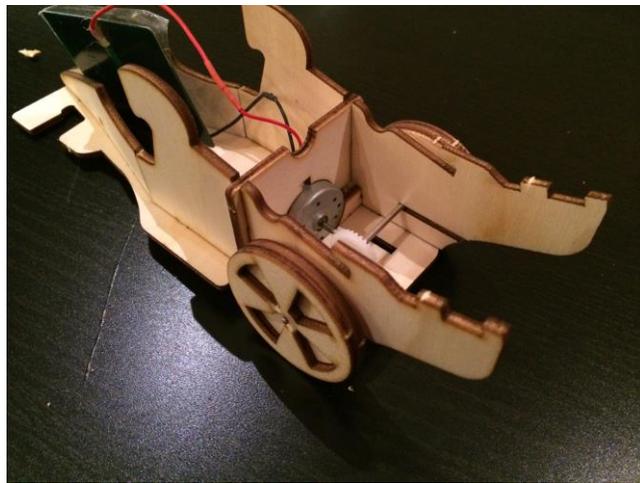
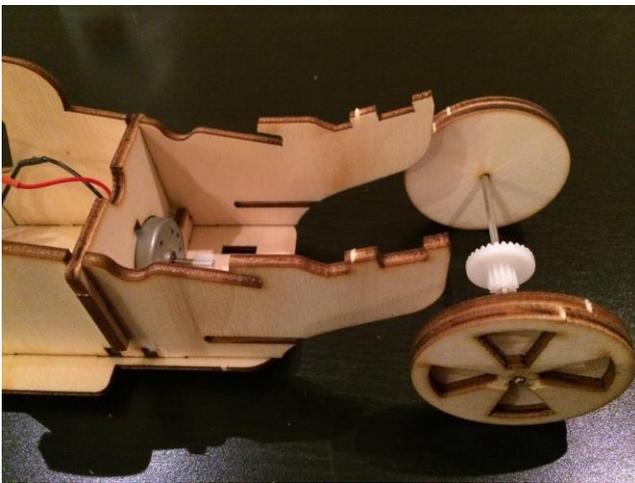


Pop the parts and glue them as shown in the picture

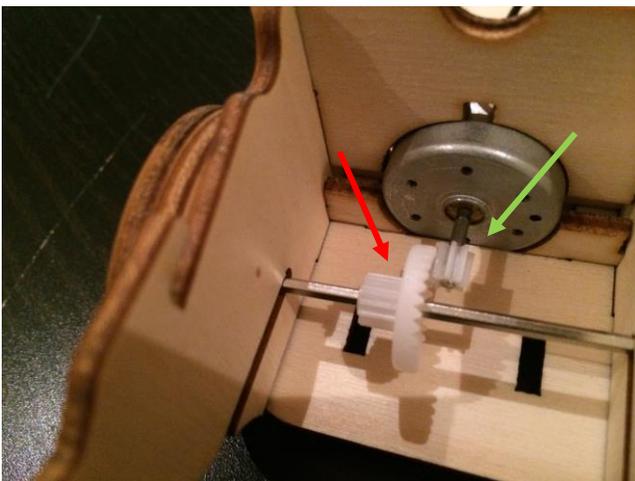


Use the part we just assembled to cage the motor in its place. Slide the part from the top all the way to the bottom.

Don't get glue on the motor.

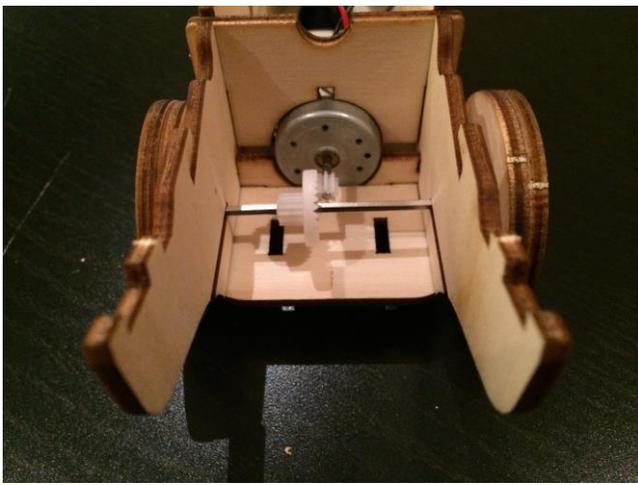


We are going to slide the rear LARGE wheels onto the back side of the racer

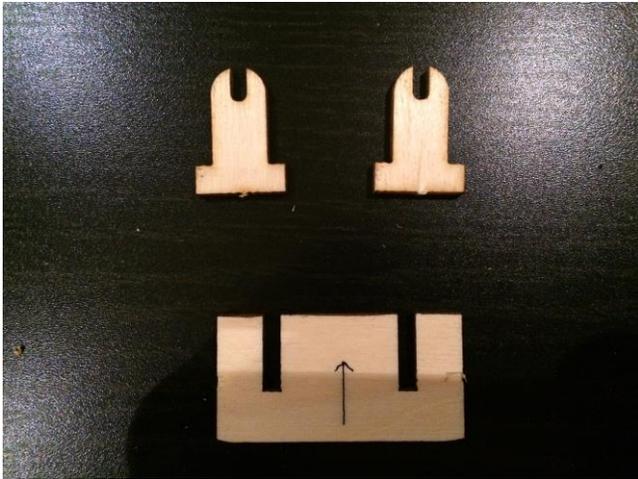


This part is extremely important. If you do not assemble it correctly, the racer is going to drive backwards.

When sliding the rear wheels on, make sure the large cog wheel (red arrow) is on the left side of the small cog wheel (green arrow).



Double check the position of the cog wheels!!!!



Pop out the parts shown in the picture



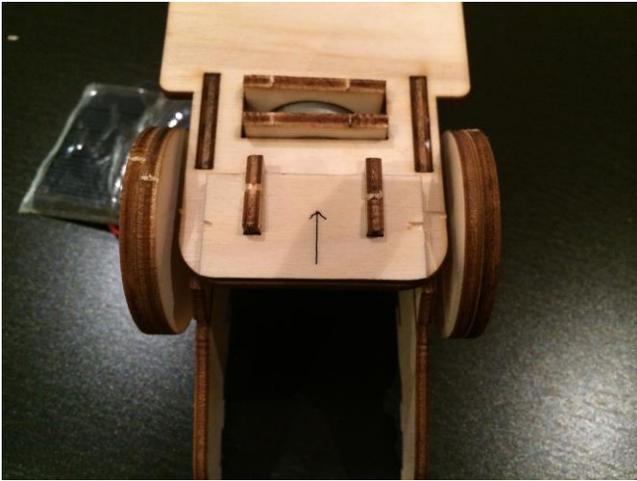
Flip the model, make sure the cog wheels are still in the right position. Then, Insert the long parts from the bottom side of the racer in order to lock the wheels in their place.



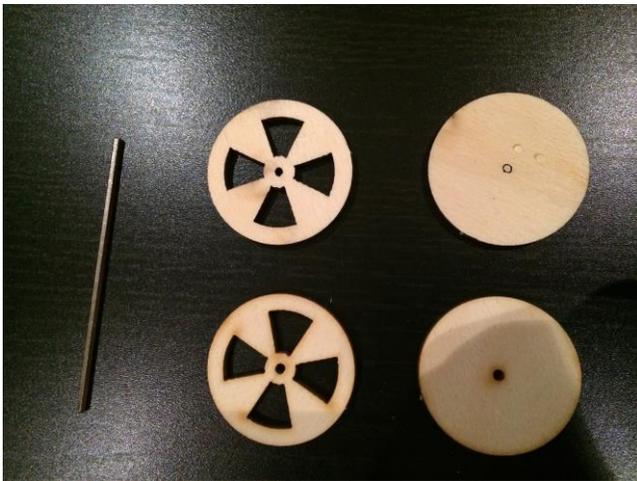
Double check again all the parts and positions



Take the square part, and glue it to the bottom side of the racer.



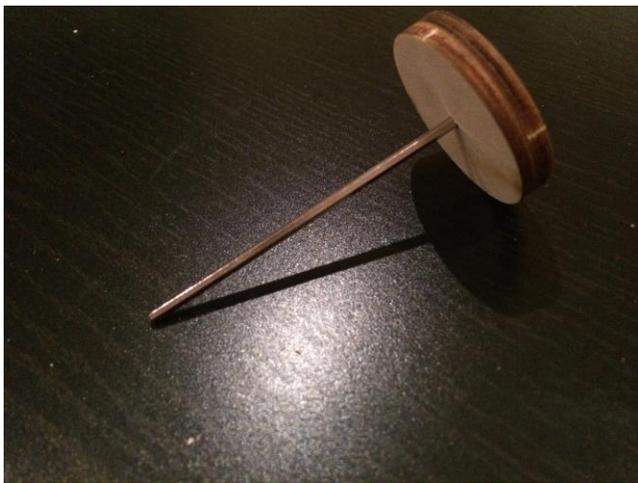
Use the arrow to mark the direction, slide it from the back towards the motor



We are going to assemble the front small wheels.



Glue each wheel on top of each circle.



CAREFULLY, insert the metal rod into the wheel.

Place the wheel on the table, hold the rod from the side and push it in, DO NOT put your hand over the rod and push!

Help students with this part!



Slide the rod through both triangles in the front of the model.



Twist the 2nd wheel onto the rod. Use the table to pressure the part in. make sure NOT TO endanger your hand by placing it on top of the rod and pushing down. Use a bit of glue if the wheels are not set on the rod.



Place the spoiler on the back of the model.

Slide the solar panel into its place and push it down.