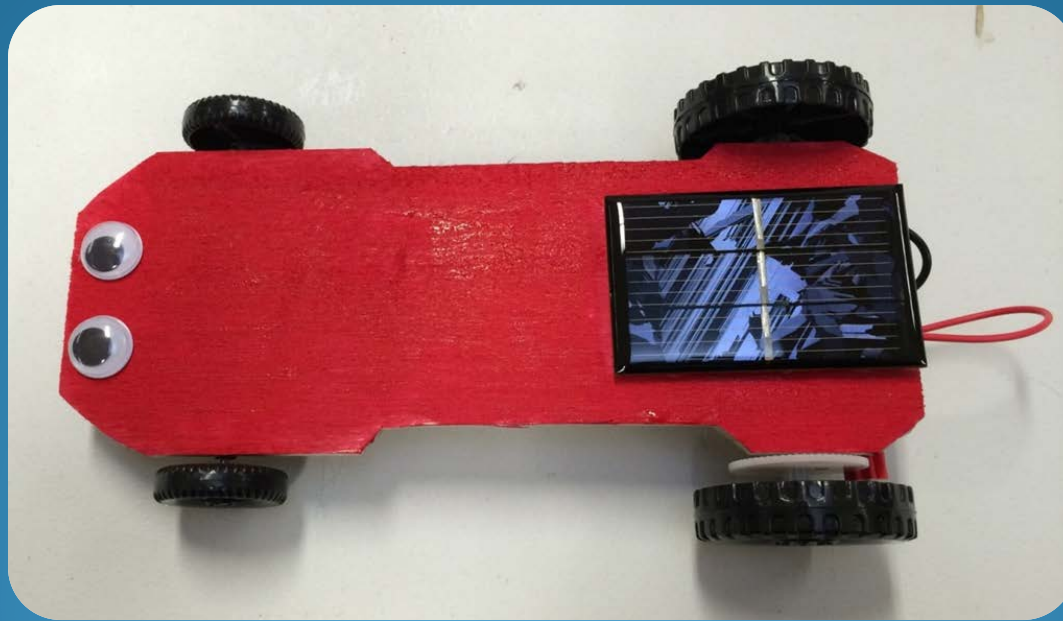


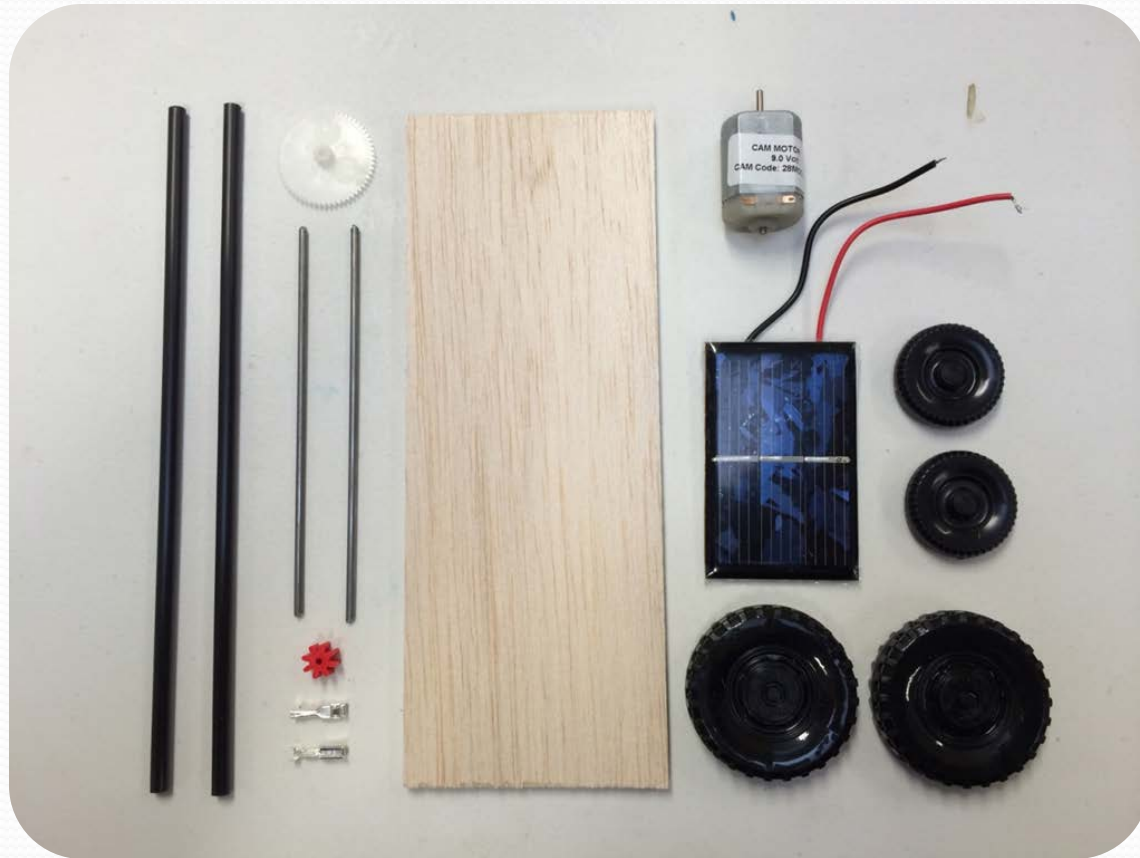
# SOLAR POWERED CAR KIT

## 28CKIT2

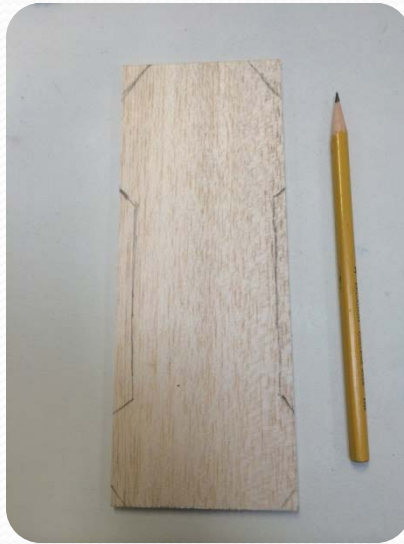
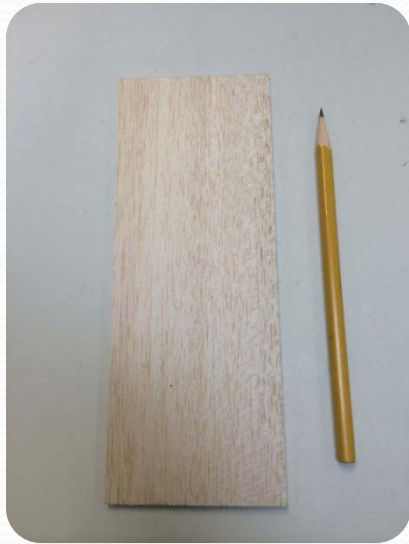
### (ASSEMBLY INSTRUCTIONS)



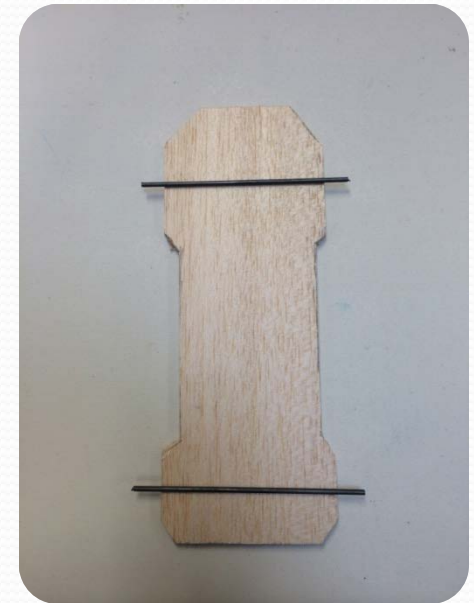
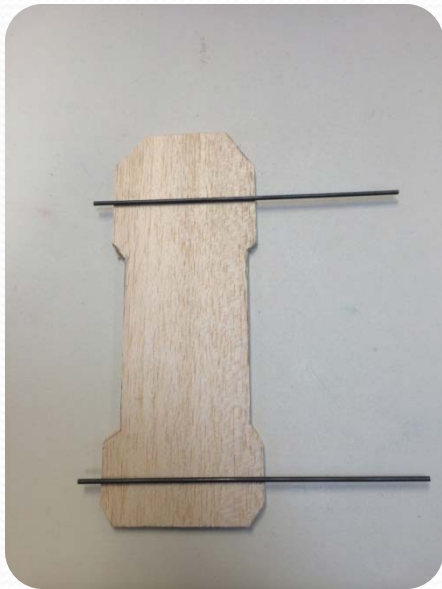
# Contents of Kit



- Design the shape of your car onto the Balsa Wood chassis.
- Use pencil to draw car outline onto the rectangular Balsa chassis.
- Cut out the car shape from your chassis using scissors & hobby knife.
- You now have the body of your car ready to use.

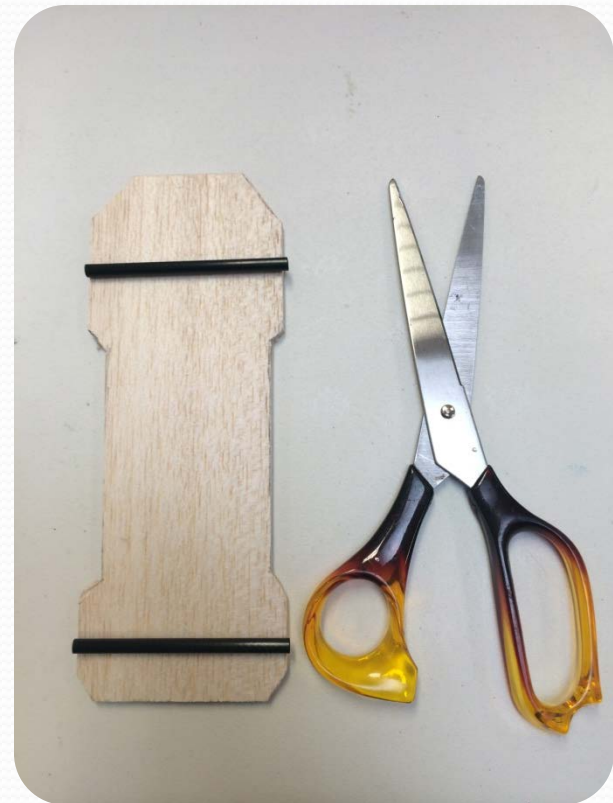


- Place metal axles over the wheel position of your car & trim with bolt cutters.
- Metal axle should poke out 1cm from each side of the wheel.
- Make sure the axle is straight using a ruler





- Place plastic straws over the car base & cut with scissors.
- The straw should be the same as the width of the chassis base.



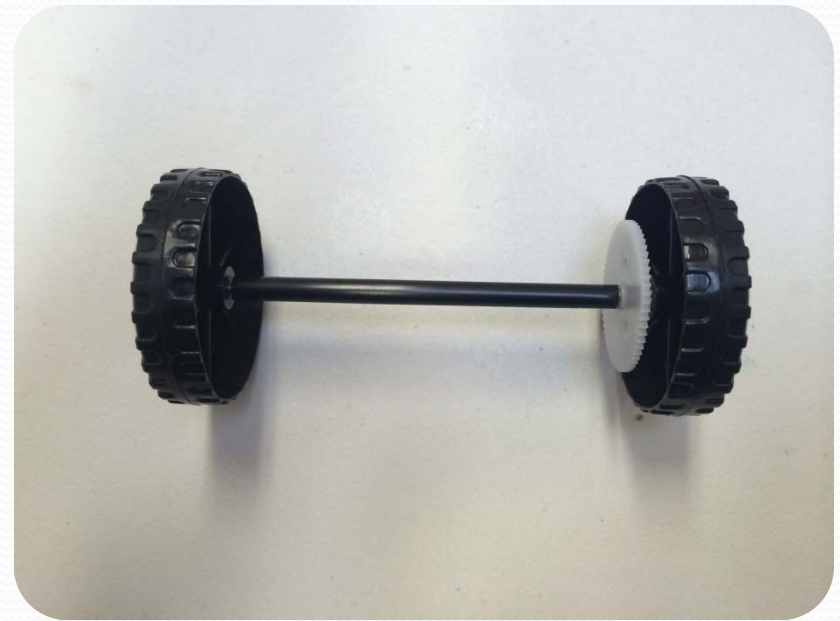
- Insert metal rod into plastic straw.
- This will act as the axle & shaft for your car.



- Attach both of the smaller Car Wheels onto the metal axle.
- This will act as the front wheels of your car.



- Attach one of the large Truck wheels onto the second metal axle.
- Firmly press the white Spur Gear 60 Tooth onto the other end.
- Then attach the final Truck Wheel over the Spur Gear.

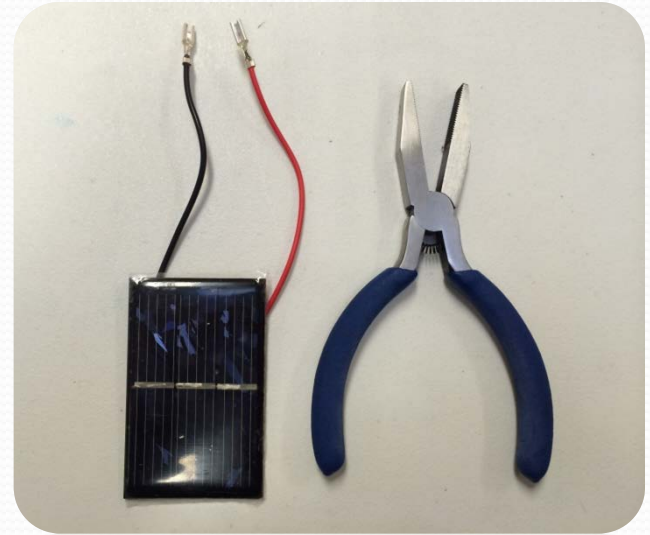
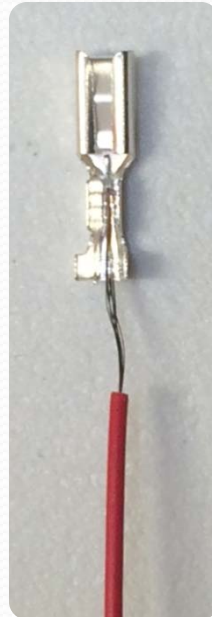
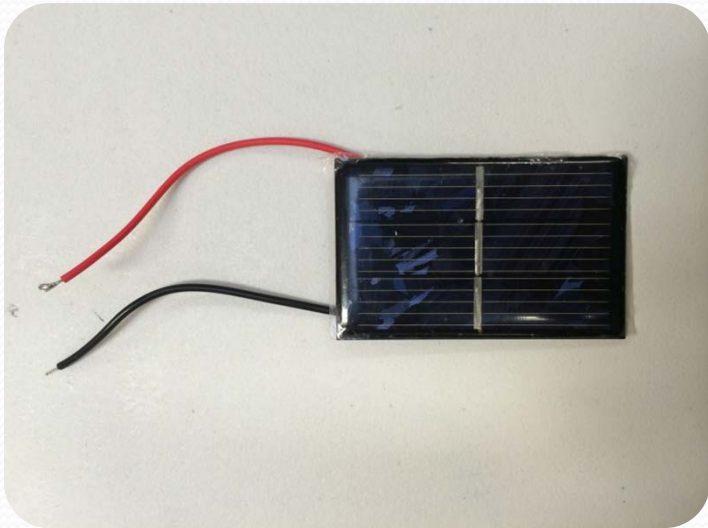




- Attach the red Gear 8 Tooth onto the 9 Volt Flat Motor.



- Place Connector Tabs over the wire ends of the solar panel & crimp together with Flat Nose Pliers.



- Use glue gun to attach Plastic Straw onto car base.
- Align the straw in the centre of the wheel arch.
- Repeat step for rear wheels.

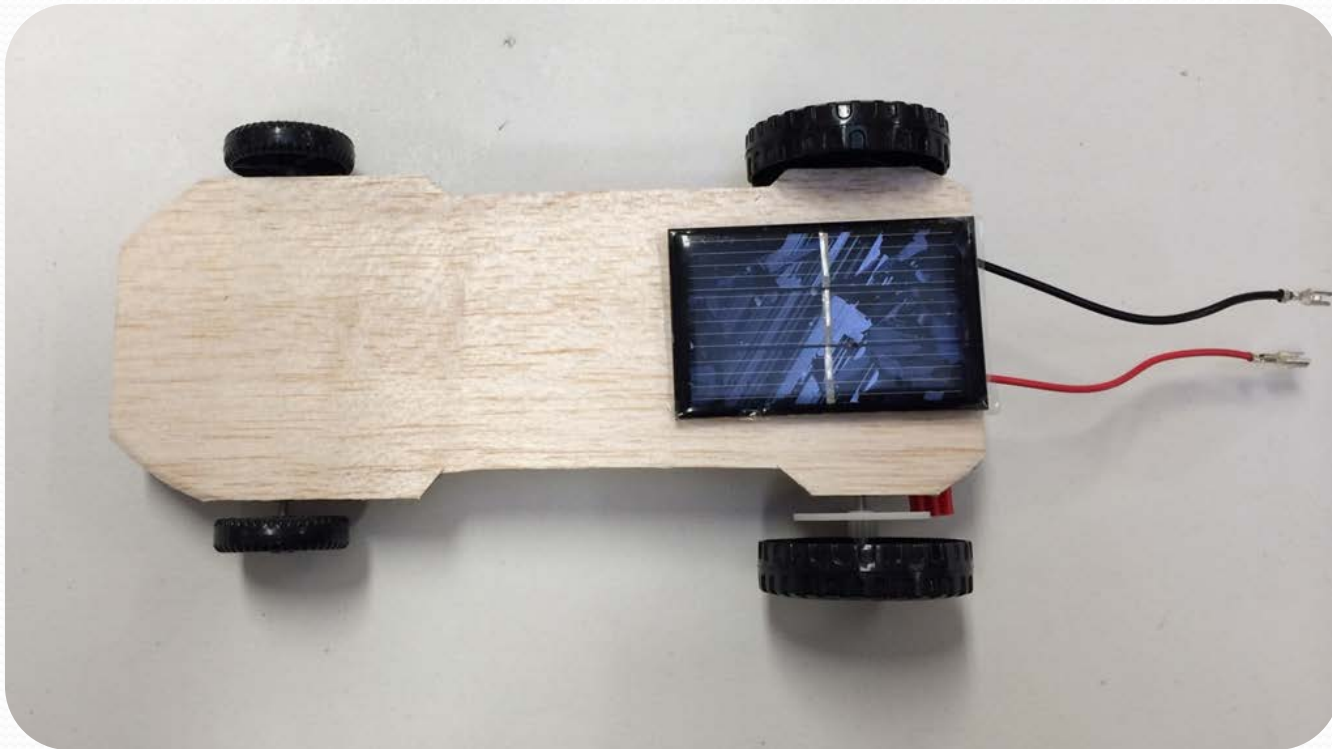


- Glue motor into position behind rear wheel.
- The red gear should lock in tightly with the white gear.
- A good connection between the gears is pivotal to the cars ability to generate motion.

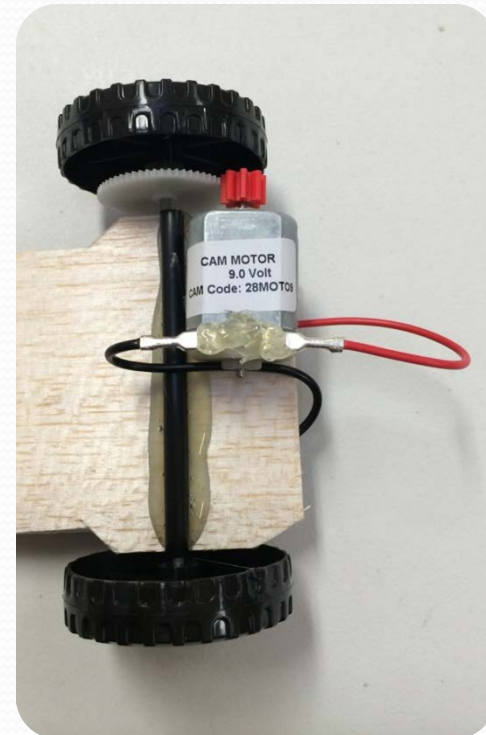
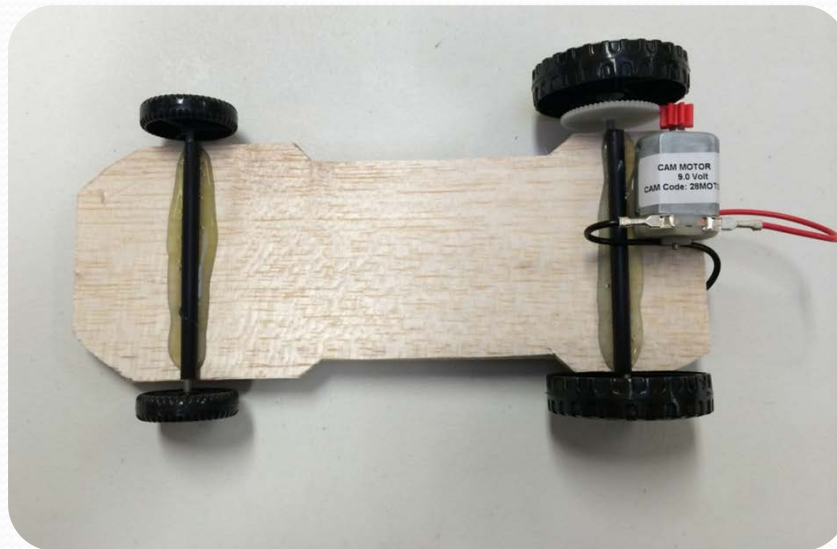




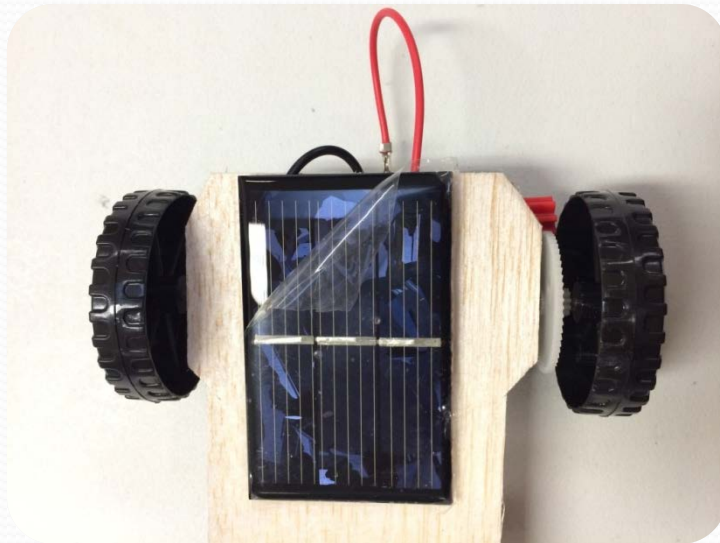
- Flip over your car.
- Glue Solar Panel onto the rear of the car base.



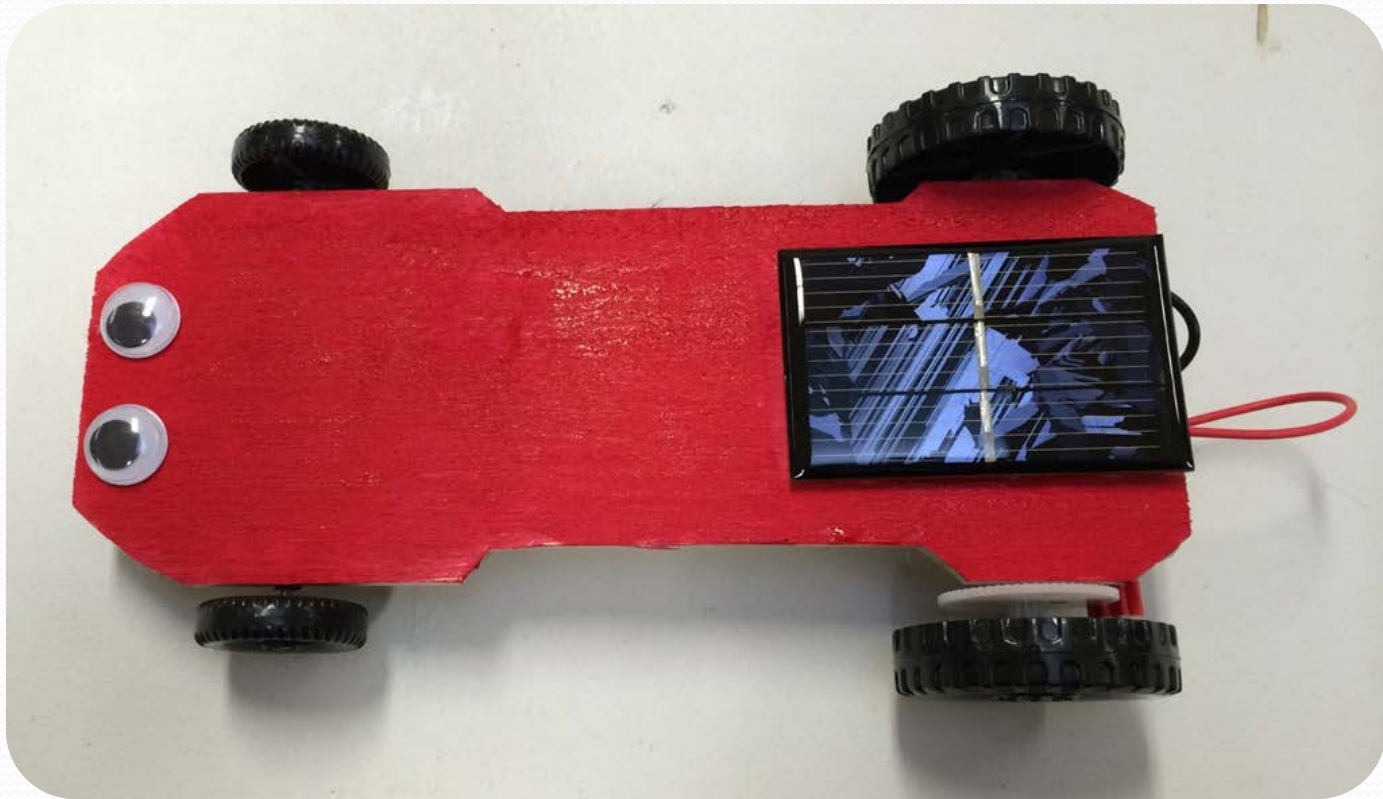
- Attach Connector Tabs onto Motor
- Test to make sure the car is travelling in the right direction.
- May need to reverse wires on motor.
- Glue Connector Tabs into place.
- This will ensure they don't slip off when in motion.



- Remove plastic cover from Solar Panel & your car is ready to roll.
- Solar Panels require the sun to generate power. As does this car.
- Optimal results are achieved on a sunny day.
- Winter conditions & cloud cover will minimise the power output created.



- Decorate your car for a final bit of flare.
- Hot Tip: Red cars go faster!!!





- Place the car in direct sunlight & away you go...

