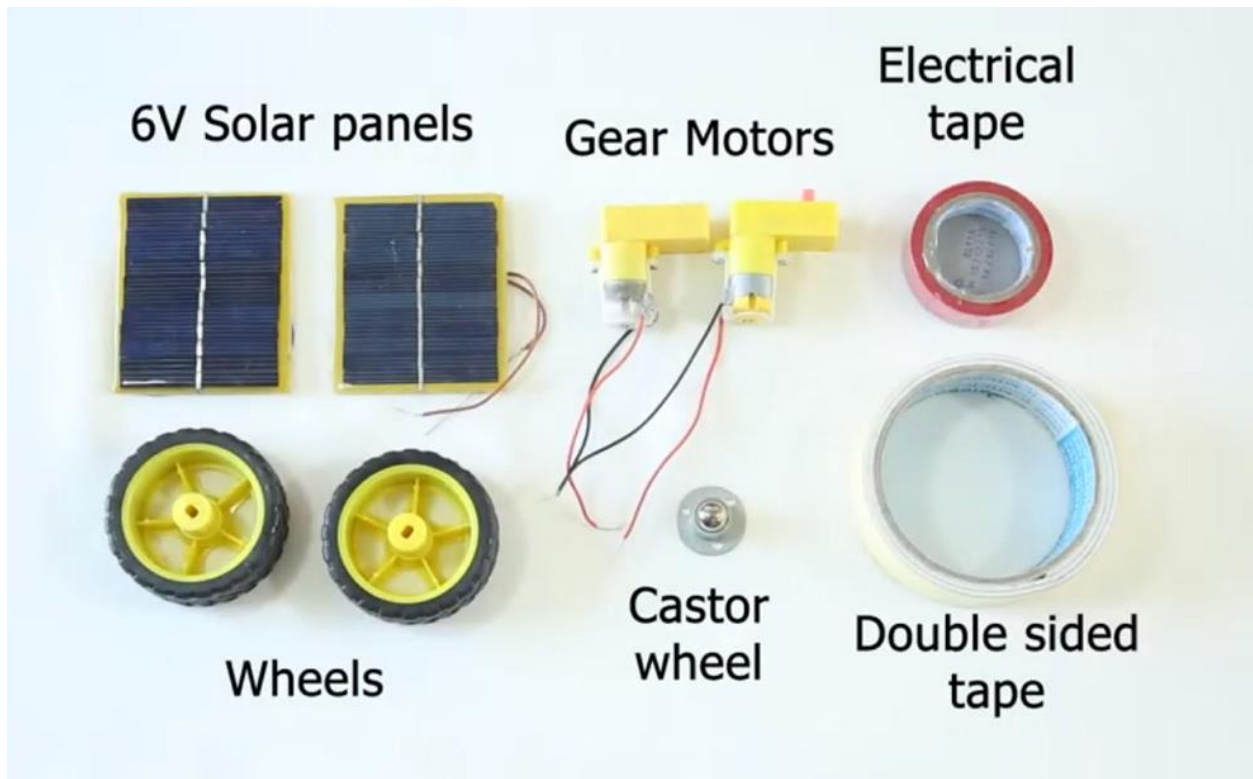


## Electric Car

### Hint 5: How to Make it



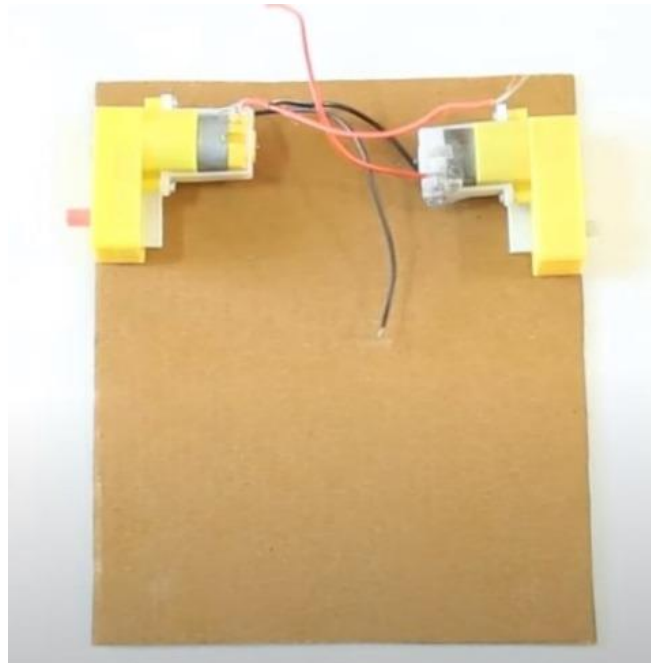
### ***Step 1: Designing the Car***

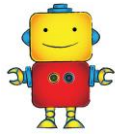
1.1 Design the Solar car on paper.

1.2 Cut the cardboard according to your needs. Make sure it is big enough to fit two gearmotors and two solar panels.



***Step 2: Stick the gearmotors on the cardboard.***

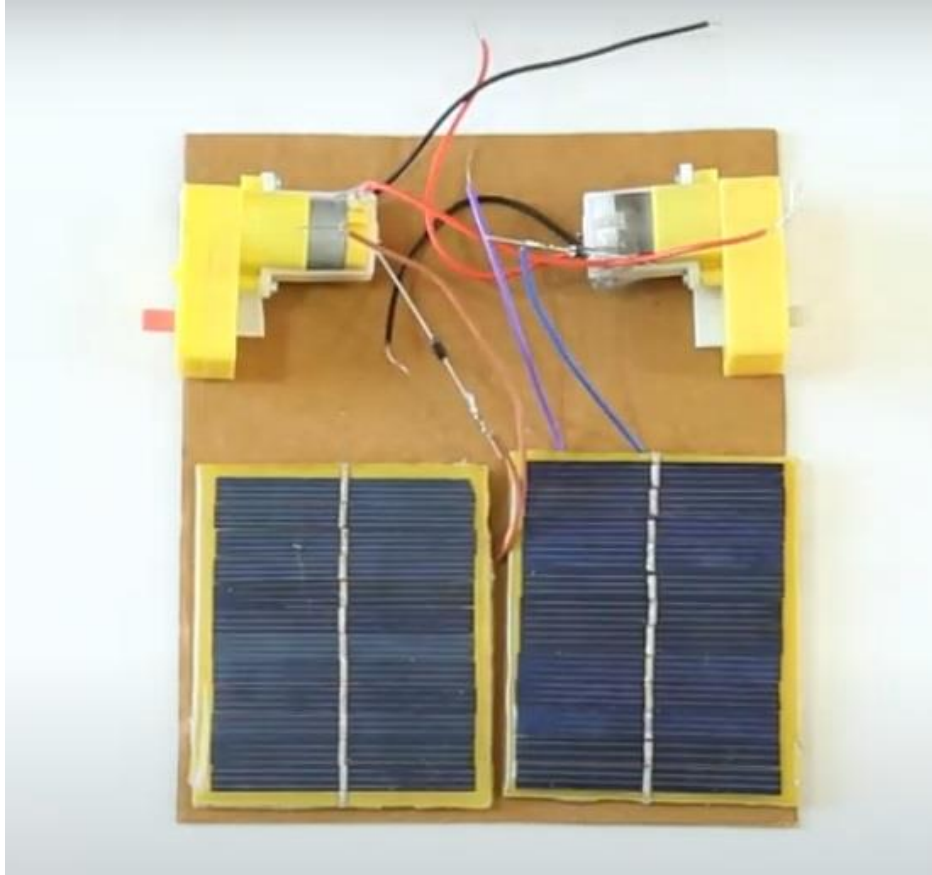




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***Step 3: Stick two Solar Panels on the cardboard.***



If your cardboard is unable to take the weight of motors and panels, use wooden sticks or metal spokes under the cardboard so that the cardboard has enough support to hold the weight of motors and solar panels.

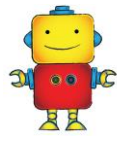
***Step 4: Making the connection for each motor and solar panel.***

4.1 Motor has two output connecting points, let's call them point A and point B for simplicity.

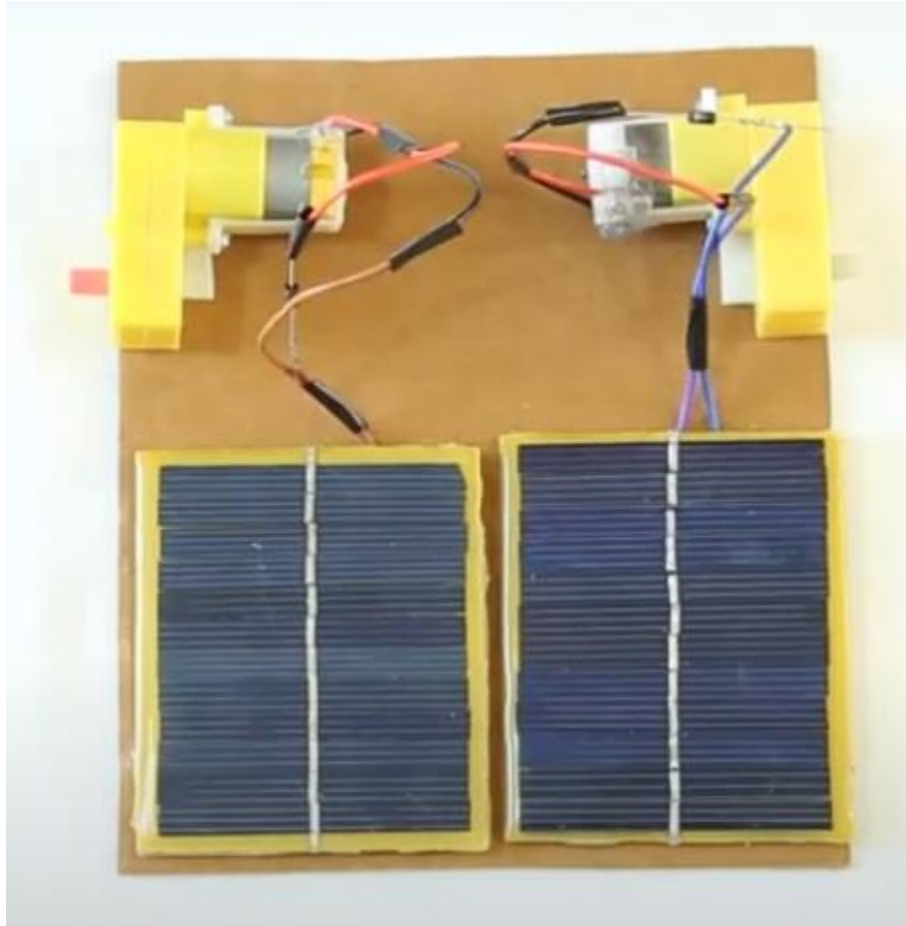
4.2 Solar panel has two output terminals, Positive (Red wire) and Negative (Black wire).

4.3 Connect Red wire to point A of the motor and Black to B.

4.4 Do the same for both the motors and solar panels.



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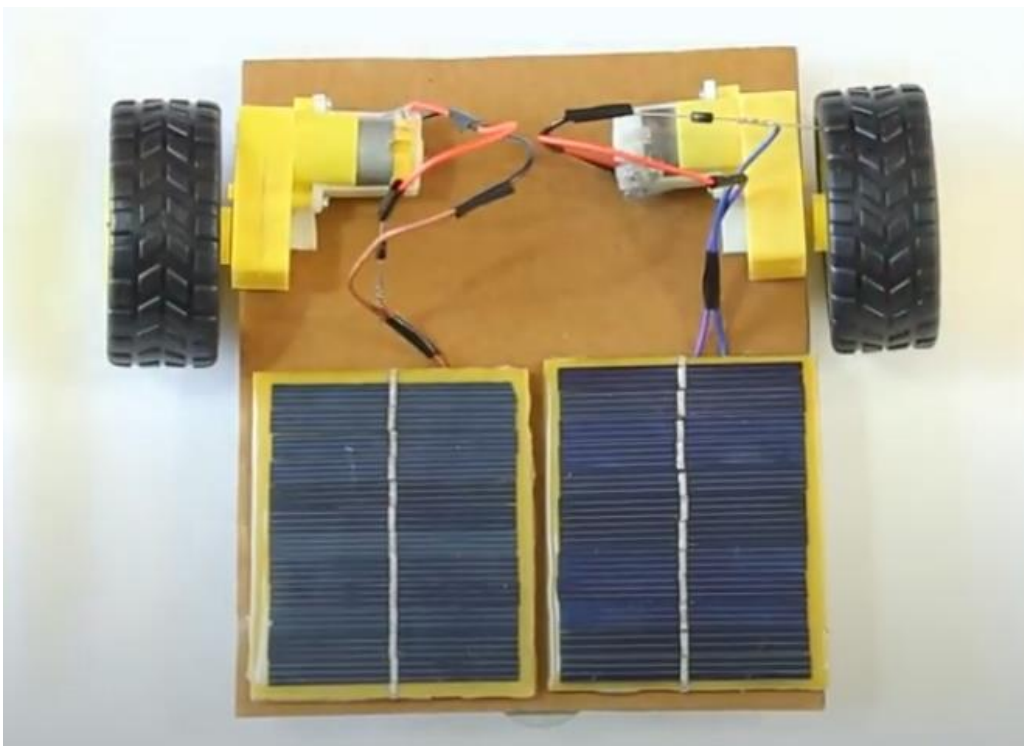


***Step 5: Attach a Castor Wheel on the lower side of the car.***

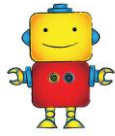


\*\* You can also use two smaller wheels and a spoke for the front instead of a castor wheel.

***Step 5: Attach the wheels to the motors.***



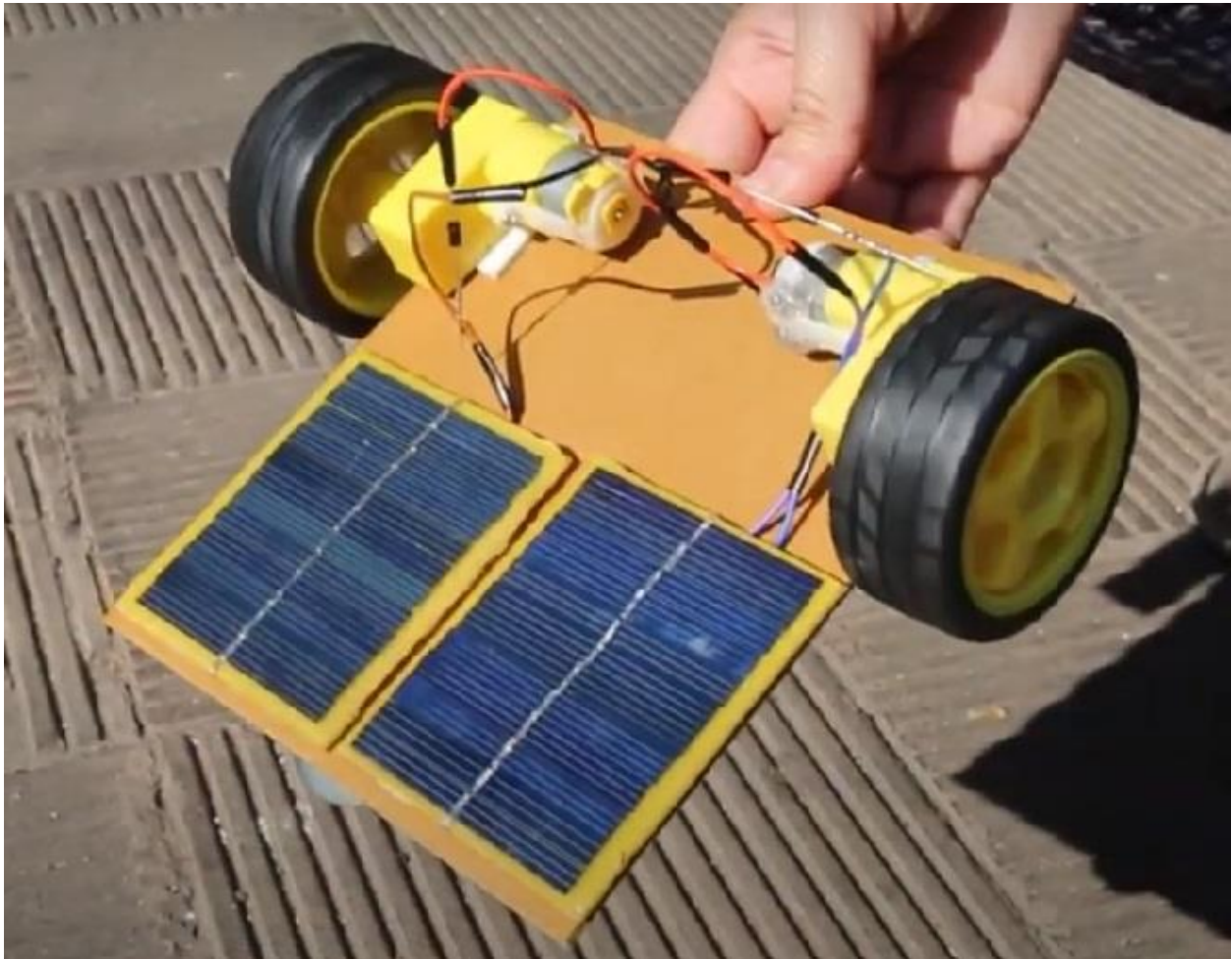




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***Step 6: Test the car in sunlight or under a solar lamp/ yellow bulb (300 watt).***



If one of the wheels is moving in the opposite direction, then just reverse the wiring connection of the motor and solar panel (connect Red wire to point B of the motor and Black to A).

Do not remove the connection between the solar panel and motor.

Enjoy!