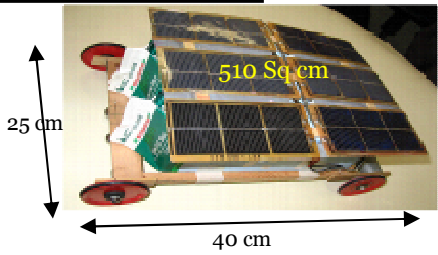


Open Entry Model Solar Car Design



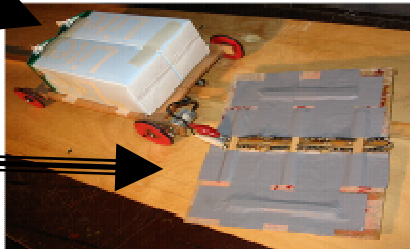
Open Entry Car Design Rules

Rule 1. Car Size. The car must have a **Length no more than 40cm** and a **Width no more than 25cm**. There is no restriction on height.



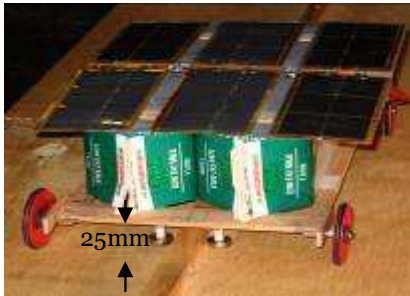
Rule 2. Car Body. The car must carry two, 1litre size empty cartons of milk that can be made up into any arrangement as long as the total volume has not been changed.

Rule 3. Solar Panel. The car must carry a Solar Panel with a total area of no more than 510 square centimetres. This panel can be placed at any angle on the car.



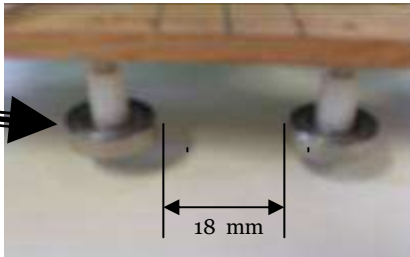
Rule 4. Solar Panel. The Solar Panel must be made up into a single unit so that all its connections are clearly visible and it must be detachable from the car.

Rule 5. Height from Track. The bottom of the car frame must be at least 25mm above the track to clear the guide rail.



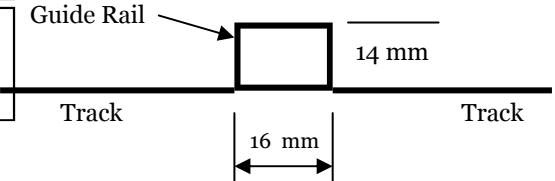
Rule 6. Motor. Any motor can be used to drive the car, but small motors from old VCR's are very good for such projects. Some of the best motors can be obtained from john@engelec.com.au and at www.engelec.com.au

Rule 7. Guide rollers. The car must have two sets of guide rollers attached to the front and rear of the frame to guide it along the track (see picture).

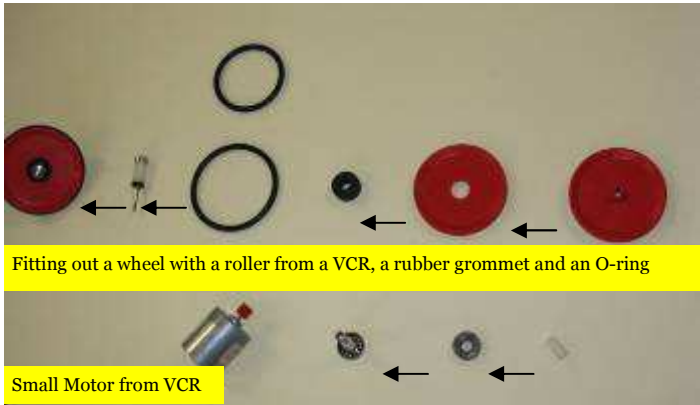


Rule 8. Switch. The motor must be connected to the panel via a Switch.

The Track. The track is 16m long and straight. It runs due North and starts on a slight downhill slope, to get the all the cars started. The sloping section is about 2m long.



Bits and Bobs Picture Gallery



Gears and other materials as well as advice on equipment and components can also be obtained from john@engelec.com.au and at www.engelec.com.au

