



Solar Racer Classroom Curriculum Day 2

Day two of a three-day curriculum set. Explore circuitry, solar cells, drivetrains and more!

Written By: Andy Wallus



INTRODUCTION

Day two of a three-day curriculum set. Explore circuitry, solar cells, drivetrains and more! Find downloadable links to this lesson and all individual data sheets, templates etc at the bottom of this guide.



TOOLS:

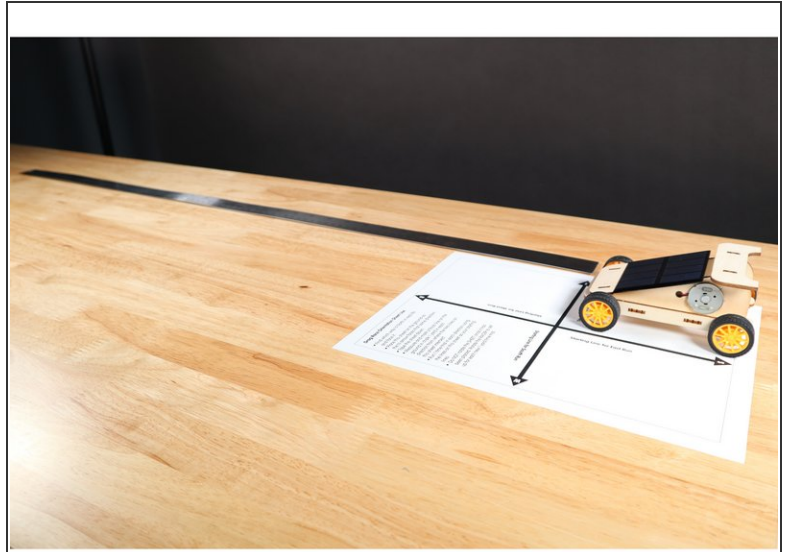
- [Internet access and AV setup](#) (1)
- [Incandescent Bulb Lamp](#) (1)
- [Household Lights](#) (1)
- [Meter Stick](#) (1)
- [Chalk](#) (1)
- [Scissors](#) (1)



PARTS:

- [Solar Racer 2.0 Kit](#) (1)
- [Printable Data Sheet \(Student Version\)](#) (2)
Two student sheets in total for Day 2
- [Printable Template](#) (1)
**per station*
Drag Race Orientation Sheet

Step 1 — Helpful Photos of Setup Elements



- Finding the maximum distance from a given light source while still producing motor movement.
- The setup for one of four time trials in each of the four cardinal directions. Each trial is a yard long.