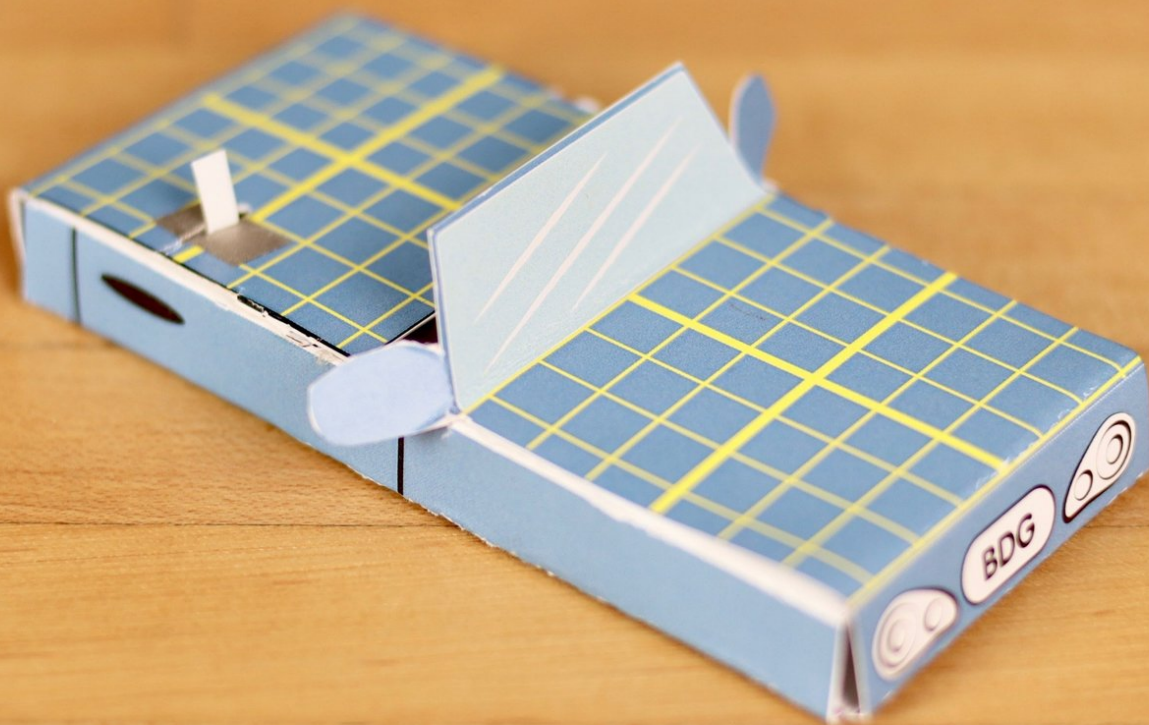




Test-A-Rossa Vehicle with Lesson Plan Activity

Create this simple paper vehicle that uses a vibrating motor to move. Use it to test the effects of wheel surface area, friction and center of mass.

Written By: Andy Wallus



INTRODUCTION

Create this simple paper vehicle that uses a vibrating motor to move. Use it to test the effects of wheel surface area, friction and center of mass.



TOOLS:

- [Scissors](#) (1)
- [Ruler](#) (1)



PARTS:

- [Maker Tape](#) (1)
1/4" Wide
- [Self-Sticking Vibrating Motor](#) (1)
- [CR2032 Battery](#) (1)
- [Printable Assembly Diagrams](#) (1)
- [Printable Student Data Sheet](#) (1)
- [Printable Lesson Plan](#) (1)
- [Timer](#) (1)
- [Calculator](#) (1)
- [Pennies](#) (1)
- [Clear Tape](#) (1)
- [assorted coins, buttons, legos \(4 of each type\)](#) (1)

Your child/student will have used circuitry to create a simple, testable vehicle. They will have also tested three separate variables that can impact its' performance.