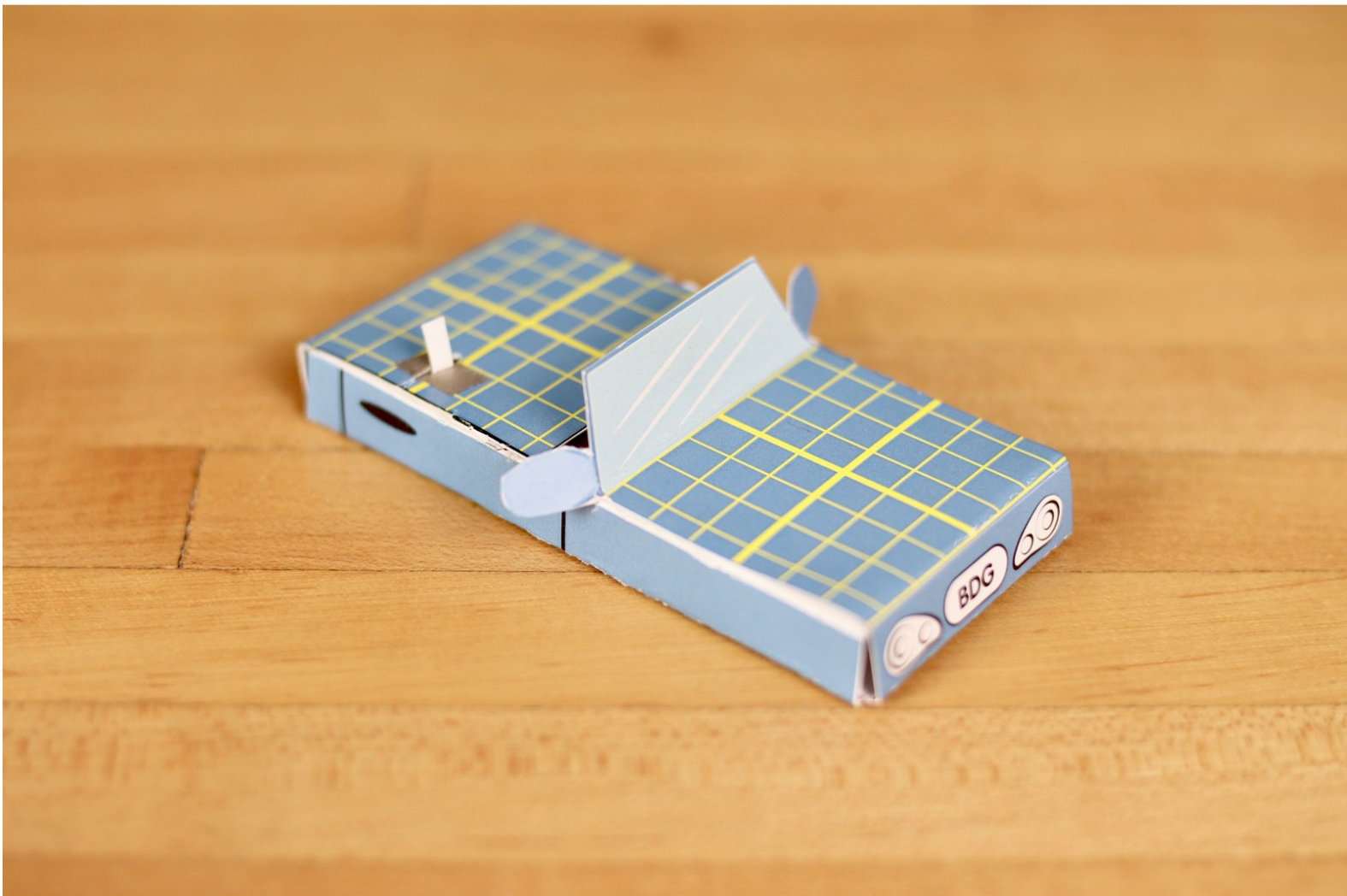




Test-A-Rossa Vehicle with Lesson Plan Activity

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:

- [self stick vibrating motor](#) (1)
- [Maker Tape, 1/4" Wide](#) (1)
- [CR2032 Battery](#) (1)
- [Printable Assembly Diagrams](#) (1)
- [Printable Student Data Sheet](#) (1)
- [printable lesson plan](#) (1)
- [timer](#) (1)
- [calculator](#) (1)
- [pennies](#) (1)
- [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.