Name:

***Rollercoaster Challenge***

**Important Vocabulary**

* Gravity
* Slope
* Force
* Speed
* Support
* Variable
* Friction

**The Experiment**

Create a rollercoaster for your marble that will guide the marble through the course with the *longest* ride. We will use a stopwatch to time each ride.

**Materials**

* Toilet paper or paper towel rolls-tubes cannot be cut
* Marble
* Tape
* Construction paper-can be cut
* Supports

**Requirements**

* The marble cannot fall off of the track; it must complete the ride from top to bottom
* Height cannot go higher than the desktop

**Your Assignment**

1. Draw a design of what your rollercoaster will look like. Keep in mind that the goal is to create a rollercoaster with the longest ride. This means that you want your marble to stay on the rollercoaster for as long as possible.
2. Label your rollercoaster design

***Due date: Tuesday March 9th***