2.2 - Kickball Challenge Directions

☐ Step 1: Connect your sensor and interface to the laptop.

☐ Step 2: With your group, build a ramp using textbooks

☐ Step 3: Place your ball on the ramp

☐ Step 4: One group member will clear the sensor and hit start

☐ Step 5: Roll the ball down the ramp (Once you get a good run, go to the next step.)

☐ Step 6: Add a column to the left side of the table for you to enter
   the **Velocity** using slope from your **Position vs. Time** graph.

☐ Step 7: Make a **Position vs. Time** graph.

   *(HINT: If you need to make room to see your graph, click the (-) sign
   in the header bar of the Sensor Interactive.)*

☐ Step 8: Choose the ruler option, click on moveable line.
   Adjust your moveable line to find your slope in the yellow box.

☐ Step 9: In your table, type your slope into your velocity column.

☐ Step 10: Write your group's **Velocity (slope)** value on the class white board.