

**Week 20 2D Motion**

5. WOW: Hotwheel Prediction

Name: \_\_\_\_\_

1. Choose a Hot Wheel and use the BeeSpi to measure its velocity at the bottom of the ramp.

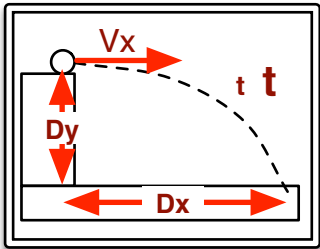
2. Do 3 trials and take an average.

trial	Vx
1	
2	
3	
average:	

3. Measure the height of the table in centimeters. Move the decimal place twice to the left to get meters. (72 cm would be 0.72 m.)

Dy (cm)	
Dy(m)	

4. Fill in the Vx and dy that you know below. Solve for t and dx. (There will be decimals!) SHOW WORK.



Dx	Vx	t

Dy	-5	$t^2$

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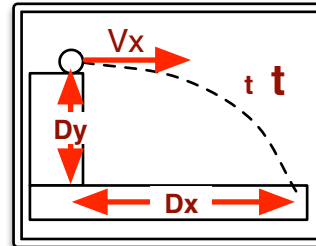
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