01/30 Speed Investigation #4

Figure 1

Some students were interested in watching the hummingbirds in their garden. They noticed that the birds flew very quickly and recorded that the birds moved from a perch to the feeder a distance of 2m in 10 seconds.

1. What is the speed of the hummingbird
2. how far would the hummingbird travel if it flew for 30 minutes?

$d = s \cdot t$

$d = .2s \cdot 1800$

$d = 360m$

$s = \frac{d}{\Delta t}$

$s = \frac{2m}{10sec}$

$s = 5m/sec$

$s = 0.2m/sec$

LEARNING TARGETS

I can plan an investigation to compare speeds of moving objects

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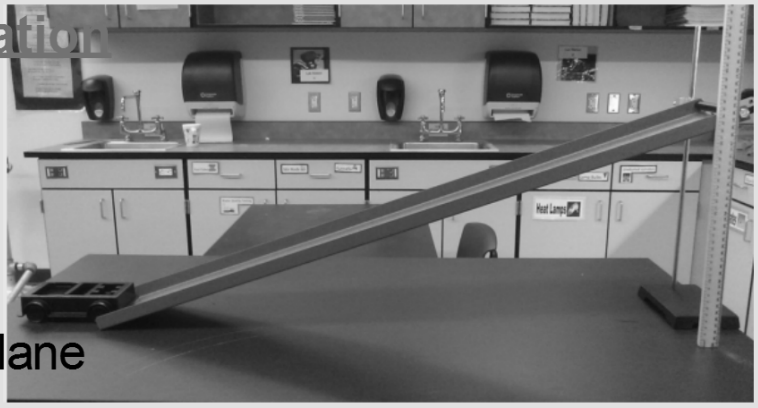
Ramp and Car investigation



Question

Hypothesis

Variables

MV- Height of an inclined plane

RV- Speed of the car

CV- distance of 200 cm

Materials

- Car
- Inclined plane
- Timer
- Measuring tape
- Masking tape
- meter stick
- Stand

Figure 1

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Procedures

Figure 1

things to consider:

- Conditions of MV. 10cm, 20cm 30cm 40cm
- Reference point.
- How to mark heights
- How to measure 200cm
- Timer? what are you recording.

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