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exp. 9.1 Importance of direction

- Speed \rightarrow $\frac{\text{distance travel}}{\text{time travel}}$

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

- Velocity \rightarrow speed + direction

question: what is the difference between speed and velocity?

hypothesis: demonstrate the difference between them.

Part 1 Observations: 2 slides. puts both on the same slide and no eggs cracked.

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the speed was the same as well as

Part 2 the direction. one egg is now at the bottom and the other at the top. The top one is fine and the bottom is a bit cracked. When one was moving and the other was not, the one that was not cracked. Speed & direction were diff.

Part 3 puts 2 eggs 1 egg on each slide. Speed was the same direction was different. one was completely fine, the other died.

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Conclusion: speed and direction change the velocity.

Leah