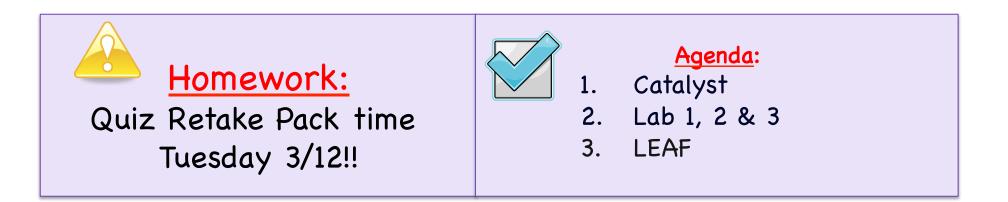
# Thursday, March 7, 2019

- Your Learning Goal: Students will be able to distinguish between mass & weight. Explain how gravity depends on mass and the distance of the object from Earth.
- Table of Contents:
- Rules of (Gravitational) Attraction 38L + R
- <u>Catalyst (38L)</u>: Are mass and weight the same thing? Why or why not?



	Tab	le of	Contents
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Date
2/19/19
2/22/19
3/1/19
3/5/19
3/7/19

Assignment	Pg #
Runner's Speed	34L + R
Velocity & Vectors	35 L + R
Forces Everywhere!	36 L +R
How high can I jump?	37 L + R
Rules of (Gravitational) Attraction	38 L + R



#### Catalyst:

Are mass and weight the same thing? Why or why not?

3/7/19 <u>Rules of (G) Attraction</u>





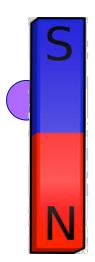
## Lab # 1 Sliding Attracted Magnets

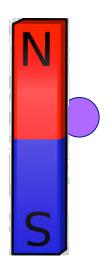
Trial No.	The distance the magnet traveled cm	Average Distance (cm)
Trial 1:		(Trial 1 + Trial 2) / 2
Trial 2:		

- 1. Draw two dots on your notebook page 10cm apart
- 2. Lay one magnet on one dot, the other magnet on the other dot.
- 3. Slowly slide one magnet towards the other across the paper.
- 4. When the magnets are attracted, calculate the distance the magnet was able to travel by itself.
- 5. Repeat twice.
- 6. Take the average of your two trials.

### Lab # 1 Sliding Attracted Magnets

Trial No.	The distance the magnet traveled cm	Average Distance (cm)
Trial 1:		(Trial 1 + Trial 2) / 2
Trial 2:		

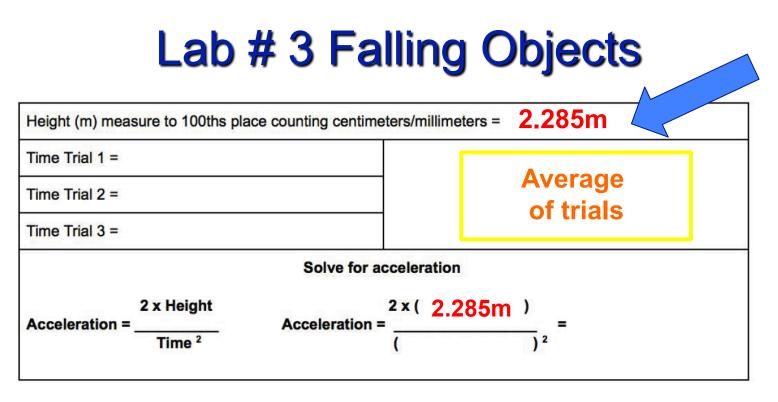




#### Lab # 2 Forces of Attraction

Write observations on how it feels to separate magnets at:

Distance Apart	Describe the Tug as you try to pull them apart
Together 0.0 cm	
Roughly 0.5 cm	
Roughly 1 cm	
Roughly 5 cm	



We are going outside!

- 1. Stand at the top of the risers
- 2. Time how long it takes the foam ball to hit the ground
- 3. Repeat 3x and take the average
- 4. Plug it into the acceleration equation

#### Catalyst:

Are mass and weight the same thing? Why or why not?

LEAF: Explain how gravity works. Include: mass, weight, distance between objects, acceleration constant.





