Phys/Chem Weekly Planner: All science week of 2.17.2020

NEXT GENERATION SCIENCE STANDARDS
For States, By States

Objectives for the week: Chm.2.2 Analyze the structure and nature of chemical bonds.

Phys 1.2 Analyze the nature of forces

Day	Honors Physics	Honors Chemistry
Mon 2/17	**WARM UPS FROM LAST WEEK DUE** **1-Do today's warm up** **2-Team presentations:** **Christian's team: #27, 31** **Anna's team: 7, 9** **Tori's team: 4, 25** **Amber's team: 34, 23** **Emily's team: 32, 14** **Evans: 15 (see below)** **3-Quiz (only on warm ups and notes from class I was here with you for)** ***HW= If the sub feels you worked hard today and did a good job helping each other, it is a take home quiz.**	**WARM UPS FROM LAST WEEK DUE** **1-Do today's warm up** **2-Team presentations:** **Team 1-#70, 96** **Team 2- 72,94** **Team 3-74,92** **Team 4-76, 90** ***HW= If the sub feels you worked hard today and did a good job helping each other, it is a take home quiz, but she decides that at the END of class!!!**
Tues 2/18	**TBD based on progress** ***HW= Finish #4-25 ALL!!, Do warm up s from this week so far.**	**-Practice test - Molecular polarity lab** https://phet.colorado.edu/sims/html/molecule-polarity/latest/molecule-polarity_en.html ***HW=** CH 7 questions pg 232 # 67-89 CH 8 questions pg 274 # 86, 88-90, 92-96 pg 275 #100, 114-118, pg 256 #132, 133 -molecules lab -water stream and charged balloon..

Wed 2/19	**Projectile rocket Lab!** ***HW= REDO # 14, 23, 25, & 9. Finish lab calculations.**	**QUIZ!! Ch 7 and 8** ***HW= names and formulas parts A-E, correct quiz!**
Thurs 2/20	https://www.flippity.net/rp.asp?k=1hrW3RJgPDIk1mGPZyKP10koTQWO07kmaYUYJhv732Jo **Pick your poison!** ***HW= take picture and show work/explanation to finish. Call EACH OTHER and OTHER teams!!!**	Benchmark :P~ https://www.flippity.net/rp.asp?k=11g1RyW9o--73dJLCQP676DNvTyf8gRrhHwepdxl_yiU **Pick your poison!**
Friday 2/21	**TEST: forces and kinematics**	**TEST: ionic/covalent**

https://place.fi.ncsu.edu/local/catalog/course.php?id=20&ref=1

Warm up activities! *due even if absent

Monday 2.17.20-   https://evansccca.weebly.com/

TURN OFF cell phone and put in the bin 😊

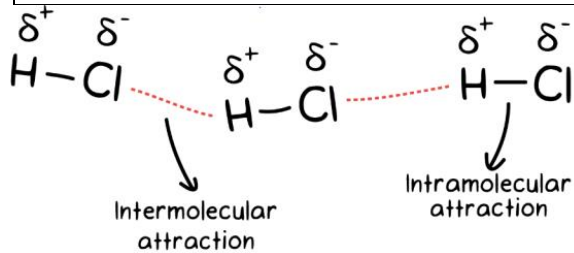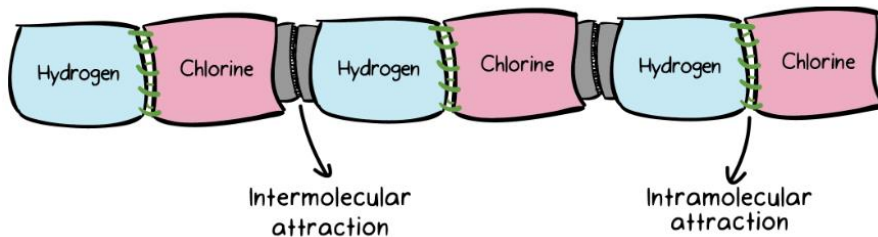| PHYZ Warm up: TURN OFF cell phone and put in the bin ☺ Draw an inclined plane and describe all the forces on a box that sits on it. Does it have to be moving to have friction?	CHEM Warm up: Turn OFF your cell phone and put in bin ☺ Explain the difference between intermolecular and intramolecular forces.

Intermolecular attraction

Intramolecular attraction

HCl has a polar covalent bond

Intermolecular attraction

Intramolecular attraction

sewing vs. velcro

Tuesday 2.18.20-   https://evansccca.weebly.com/

PHYZ Warm up: TURN OFF cell phone and put in the bin ☺ Child +sled mass= 51.0 Kg and μ= 0.2 What is $F_{pull\ NET}$ to make the cart go at a constant velocity? (Find F_x, then solve for F_{NET}).	CHEM Warm up: Turn OFF your cell phone and put in bin ☺ Draw a diagram of a methane and one of ammonia. WHAT are their molecular shapes?

Wednesday 2.19.20-

PHYZ Warm up: TURN OFF cell phone and put in the bin 😊

A ball hits the ground with an X velocity of 2 m/s and a y velocity of 9.8 m/s

1) **What is the NET velocity of the hit?**
2) **If the ball FELL, how high did it fall from?**

CHEM Warm up:
Turn OFF your cell phone and put in bin 😊
https://www.youtube.com/watch?v=vOKnOW7CLNQ
<u>INVENTIONS</u>=
-Automatic _____ for elevators.
-Perfected storage of blood _____.
-Home TV _____ systems.
-The _____ cell for energy production!!
-The first _____ computer monitor.

Thursday 2.20.20-

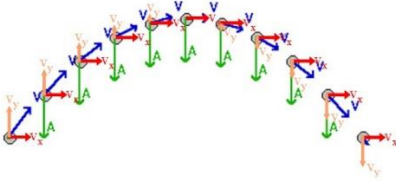**PHYZ Warm up: TURN OFF cell phone and put in the bin** 😊

Draw a motion dot diagram of our football problem. Include V_x and V_y vectors for each dot.

CHEM Warm up:
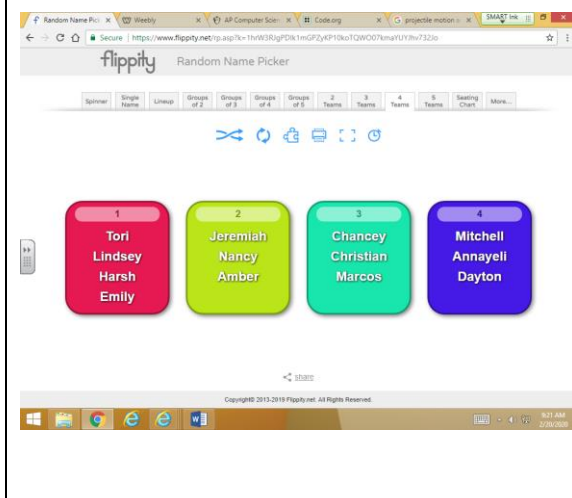**Turn OFF your cell phone and put in bin** 😊
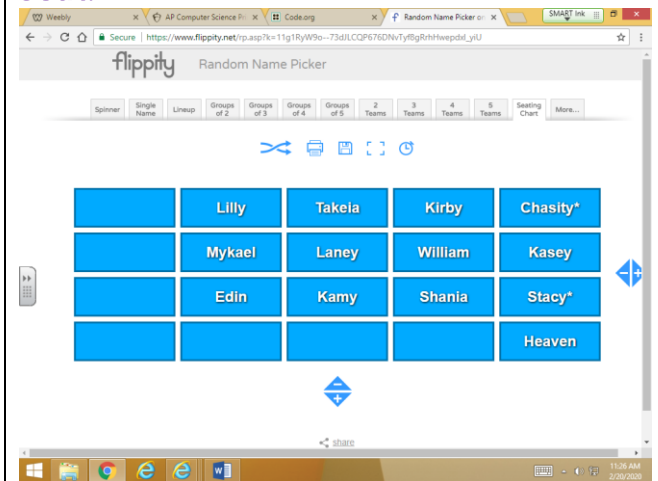
My reflections on the chemistry benchmark are.......

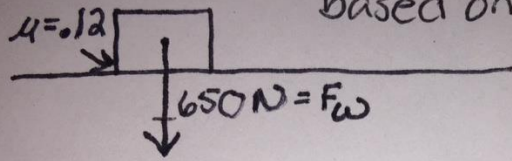|	

Friday 2.21.20-

PHYZ Warm up: **TURN OFF** **cell phone and put in the bin** ☺ Describe your new seat:	**CHEM Warm up:** **Turn OFF your cell phone and** **put in bin** ☺ Describe your new seat:

15)

sled must be "massless" based on our givens.

$\mu = .12$

$650N = F_w$

Constant speed means $F_f = F_{pull}$

Flat surface means $F_N = F_w$

$F_f = \mu F_N = .12(650N) = 78N$ to left

$F_{pull} = 78N$ to right