WEEK OF: OCTOBER 12, 2020

CLASS: Physics 111 – A Block

TEACHER: Mrs. Burke

CONTACT INFO: Deborah.Burke@thedeltahighschool.com (contact via direct email, through Teams, and through Remind = dhsphy111a)

OBJECTIVES:
- Exploring the gravitational potential energy and kinetic energy
- Algebraic manipulation of formulas
- Developing mathematical relationships

CLASSROOM MEETING TIMES:
Monday and Thursday
1:20-2:00 pm

LINKS:
Check TEAMS POSTS for Zoom link information (we will use Zoom if it is working, Teams if Zoom is unavailable).

YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #1:
- Net Force worksheet (5 more problems)
- GPE and KE Worksheet #2 WITH force diagrams (5 problems, including #10)

SYNCHRONOUS MEETING #1:
- Problem review Q&A session
- Group lab activity: effect of drop height on speed in an online simulation

YOUR RESPONSBILITIES AFTER ZOOM #1:
Have notes detailing the learning you've experienced toward meeting the objectives state above. Put these into your Teams > Class Notebook > Class Notes file.

YOUR ASYNCHRONOUS RESPONSIBILITIES AFTER ZOOM #1:
- QUIZ #5 due by 4 pm Wednesday

YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #2:
- Finish group lab activity OR have written questions describing where you are stuck
- GPE and KE Worksheet #2 WITH force diagrams (5 more problems)

SYNCHRONOUS MEETING #2:
- Group lab activity discussion
- Excel tutorial

YOUR RESPONSBILITIES AFTER ZOOM #2:

Have notes detailing the learning you've experienced toward meeting the objectives state above. Put these into your Teams > Class Notebook > Class Notes file.

YOUR ASYNCHRONOUS RESPONSIBILITIES AFTER ZOOM #2:

- Finish GPE and KE Worksheet #2
- Add free body diagrams to GPE/KE Worksheet problem set

IDEAS FOR USING YOUR ASYNCHRONOUS TIME:

TAKE QUIZ, GPE and KE calculations and free body diagrams on worksheet #2, finish lab activity

DUE DATES: *(all in "Teams – class notebook – homework" unless noted)*

Saturday Oct. 10th by 4 pm – 2 quizzes:

- Net force *[algebraic rearrangement, use to solve for different variables, symbols indicating direction, interpreting for motion]*
- Force formula (F=ma) *[algebraic rearrangement, use to solve for different variables, effects of changing variable values]*

Monday Oct. 12th by 1 pm

- Net Force worksheet (5 more problems)
- GPE and KE Worksheet #2 WITH force diagrams (5 problems, including #10)

Wednesday Oct. 14th by 4 pm

- Quiz #5

Thursday Oct. 15th by 1 pm

- Group lab activity
- GPE and KE Worksheet #2 WITH force diagrams (5 more problems)

Monday Oct. 19th by 1 pm

- Finish GPE and KE Worksheet #2 WITH force diagrams

Assessments: These will be single-topic, short quizzes that earn grades
No more than one will be given in a day. They are open-note and open-internet TIMED tests done during ASYNCHRONOUS time.

Week of Oct. 12th:
GPE and KE *[algebraic rearrangement, use to solve for different variables, relationship between the two, effects of changing variable values]*

OFFICE HOURS:

11:45-12:45: email, contact through Remind, message through Teams. Look in Teams Posts for link to video access.