

Dear AP Physics students,

In order to be successful at AP physics you will need to review and master the basic physics concepts. To do this in a fun and interesting way I ask you to visit <http://www.physicsclassroom.com/Class/index.cfm>

On the left side of the screen you will see a list of physics tutorials. Read and work through the following physics tutorials.

- 1-D kinematics
- Newton's Law
- Vectors – Motion and Forces in Two dimensions
- Momentum and its conservation
- Work, Energy and Power
- Circular motion and satellite Motion

Throughout the various tutorials you will see sections titled “check your understanding” and “quick quiz.” For each question in these sections write the following on a piece of paper:

- The lesson name
- If it is a “check your understanding” or “quick quiz”
- Show your work to find the answer
- Box in your answer and the answers units (note: the answers are given so please check your work when done to see if you have done it correctly)

When you return to school this assignment will be collected and/or there will be an assessment on the content. If during the summer you have any questions feel free to e-mail me at [Paula\\_F\\_Moran@mcpsmd.org](mailto:Paula_F_Moran@mcpsmd.org). Please note I will be out of town periodically throughout the summer so it may be up to a week before you will receive a response.

I look forward to meeting you in the fall!

Sincerely,

***Ms. Moran***

Northwood High School  
AP Physics  
Honors Physics  
Matter & Energy