AP Physics
Summer Work 2018

Objective: The objective of summer work is to familiarize yourself with the online homework system and get a jump on learning the first unit called kinematics.

Text: *Physics* by Giancoli, **7th Edition.** ISBN: 0-321-62592-7 You will receive an e-book when you sign up for the homework system, however, you must be online to use it. (although you can download parts of the book for offline use) It is up to you if you want to supplement the ebook with a paper one. You must download "Pearson eText" app to your iPad to access the book.

Part I: Sign up for Homework System (complete by June 16, 2018)

1. Register at http://www.pearsonmylabandmastering.com/northamerica/masteringphysics/ You will see the "Student" button under "Register Now"
2. Obtain the three things that it says you will need…your course ID is **MPMOSER66986**
3. Follow the directions: enter the course ID and create an account; you will need to buy access. Choose Giancoli Phyiscs: Principles with Applications **7e**. Make sure to choose the right selection of both access AND text; it will cost more if you buy them separately (Make sure to get the 7th Ed)
4. Accept - Pearson License Agreement; finish making an account.
5. Login to Mastering Physics using the same link as above (click login instead of register) and find four assignments (change calendar to September) called: Introduction to Mastering Physics, Ch 2 Problem Set, Kinematics Dynamic Study Module and Ch 2 Concept Development
6. Download the app called "Pearson eText" to your iPad. Open it and login with the credentials you just created; you should see the book there.

Part II: Explore the Assignments

1. Complete the introduction assignment before school starts. This assignment teaches you the features of the online system by asking you to explore the types of questions as well as purposefully put in wrong answers to learn how you will receive feedback.
2. Explore the assignments for the first unit (Ch 2). The assignments are of three distinct styles:

Concept Development: These questions are conceptual in format and also are designed as tutorials to guide your learning. I would start with these first.

Problem Sets: These are designed to teach mathematical based problem solving skills and applications of the equations and formulas in the chapter.

Dynamic Study Modules (DSM): a tutorial/test review for each chapter to help prepare for exams.

The assignments already listed (Ch 2) will be the first unit; you could come to class the first day and learn everything you need to after that. BUT the learning curve might be a little higher. So if you want to explore the assignments and practice learning physics, you would make that curve a little shallower for a few minutes of summer time preparation.

BONUS OPTION: if you wish to receive a 100% on all three assignments in the first set (Ch 2 problem set, conceptual development and DSM) you may prepare a 4-5 minute video explaining the main concepts of kinematics. A YouTube link of your video must be submitted to me via email by Tuesday September 4, 2018. You must still do the assignments as usual (this could occur after school starts) but your scores for all three assignments will be bumped to 100% at the discretion of the teacher based on the quality of your video (both physics information and entertainment value). My email = rmoser@marisths.org