

## AP Physics 1 Summer Assignment

- Download SMART Notebook Software. This will enable you to view all the presentations and obtain the full functionality of the presentations, including viewing all the answer tabs and the video recordings of the material.
  - The download is FREE and is found at: <http://njc.tl/1br>.
  - If you don't want to do this, you can view the presentations using the pdf versions, but these are not always as clean and don't have the full functionality of SMART.
- Read, or watch the notebook presentations:
  - **Algebra Based Physics Kinematics:** Note that this is from the algebra based physics course. AP 1 starts with Kinematics 2D (two dimensional) so reading the Algebra version will get you started with 1DKinematics, or remind you what you learned in your previous physics class.
    - <https://njctl.org/courses/science/algebra-based-physics/kinematics/>
  - **AP Physics 1 Kinematics 2D:** This contains a review of 1D Kinematics, and then proceeds on with two dimensional Kinematics (projectile motion, using sines and cosines and tangents. We will be starting with this unit when we get back to school.
    - <https://njctl.org/courses/science/ap-physics-1/kinematics-2d/>
- Construct a review package, consisting of notes from the presentations, classwork and homework problems (multiple choice and free response). You can put anything you want into this package and it can be as long as you like. You can even just print out the multiple choice questions and answers. I recommend you solve the free response/short answer questions so you start gaining proficiency.
- Make a list of questions about the material that you want to make sure I cover in class, and ask them when I get to the topics!
- The review package is due the first day you're back. I will collect them. At our first test, on 2D Kinematics, which will occur a few weeks into school, after I've reviewed all the work with you, I will hand these packages back to you and you may use them in completing the exam.
- If you don't do the review package, no big deal – except you'll have to take the exam with just the limited AP 1 Physics formula sheet.
- The entire class is taught from the NJCTL website, so please get familiar with it.
- Have a great summer, see you in September! If you have any questions, please email me at [jennis@sboe.org](mailto:jennis@sboe.org). I check this daily.

Dr. Ennis