

## AP Chemistry Summer Reading Assignments (For the 2007-2008 school year)

There is a tremendous body of research showing the students who read over the summer weeks perform better in school upon returning in the Fall. With that in mind, I recommend that students read as much as they can. I am recommending to all of the science classes the Psychology Today and Discovery magazines, as these two are some of the best when presenting scientific research and social science studies.

For the AP Classes though, it is highly important that students keep in mind the information related to the class. The AP exam is in May, which leaves us with shortened class time (in comparison to normal classes that receive final exams in June) while at the same time increasing the amount of information that we need to cover to ensure success on the exam. Keeping that in mind, I am asking the **AP Chemistry** students to do the following over the summer:

- 1) See Me (Mr. Heinemann) in room C115 before the close of this year to check out a textbook over the summer.
- 2) Read through chapters 1,2 and 5 of the text as it will **REVIEW** many concepts covered in the Honors and general chemistry classes. Use the information as a review. This means you can skim through the areas where you are most comfortable, and read more carefully the areas that you are in need of review. You are reading about general chemical concepts (chapter 1), atoms and ions (chapter 2) and stoichiometry (chapter 3).
- 3) Complete the following questions by the **FIRST DAY OF CLASS**
  - a) From chapter 1: problems 32, 41 and 85 from pages 33-37.
  - b) From chapter 2: problems 46,50,59-66, and 86 from pages 76-79.
  - c) From chapter 5: problems 40, 58, 56, 64 and 79 from pages 233-236. For a challenge try 121 on p. 239.

PLEASE REMEMBER that these concepts you have already seen. There may be some challenges in the reading, but for the most part it is a review. This assignment should only take 4-6 hours of your summer time. Do not spend 10-20 hours looking at material you have already seen.

See you in August.

Erik Heinemann  
[ehinemann@aacps.org](mailto:ehinemann@aacps.org)