

AP Physics C Summer Work

- The summer packet is your guide to working through the book called “Quick Calculus.” The “Quick Calculus” book is obtained from the library. The packet is obtained either from Mrs. Baiers or Mr. Warren.
- Follow the day-by-day study procedure as outlined in the packet. Each “Day” listed is not an actual day of work. Each is closer to an hour, and you can do as many of these “Days” at a time as you feel like doing. Just make sure that you plan so that you finish all of them before the start of school. This work is mandatory if you want to score A’s on the first three quizzes of the year.
- Note that the study guide leads you by listing frames of the Quick Calculus book, not page numbers. Think of the book as a workbook, but do not write in it.
- There are two major sections to study: Differentiation Chapter 2 and Integration Chapter 3. Complete all frames of these sections before the start of school.
- When you complete the Differentiation section, Day 6 of the study guide will say “Differentiation Quiz”. Obviously, there will not be a quiz during the summer. This quiz will be broken into two and will happen on the following dates: Thursday, September 4 and Monday, September 8.
- When you get to Day 6 of the study guide, give yourself a practice Differentiation Quiz to diagnose how you are doing. Page 5 of the packet contains a very large number of practice problems that you can use for this purpose. Try them by yourself as if it were a graded quiz. (The actual quiz will only be 5 or 6 problems, not 30.) Check the answers on page 7 of the packet only after you have tried them all by yourself. In this way, you will know how prepared you are. ***It is your job to diagnose your preparedness before the first day of school.*** The Quick Calculus book also has pages with additional practice problems. The September 4 quiz will cover simple differentiation as is required in problems 1 through 6 of Page 5 of the packet. The 9/8 quiz covers all of Differentiation, including the Chain Rule.
- The September 12 quiz will cover Integration, Chapter 3 of the workbook. Many practice exercises for this appear in the packet on page 6 with answers on page 8.
- If you can do problems like the practice problems listed both in the packet and in the Quick Calculus book, and you can do them all by yourself, then you will score A’s on the first three quizzes.

Please note that things are set up so that you must read and work through all the material before school begins. If you do this and try your best, then I can help you fix any parts that you don’t understand on the first few days of school. You don’t have to be perfect; you need to be proficient. In other words, if you come prepared, knowing what you are stuck on, then I will help you with every single practice problem that you know you need

help with. On the other hand, if you wait until September 1st to do this summer work, that would not leave enough time to fix any problems, since you would still be finding them.