

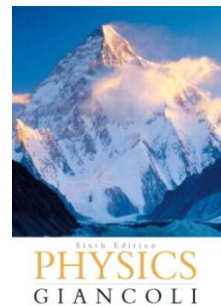
Dear Valor AP Physics B Students,

Welcome to the AP Physics “B” course at Valor! I am thrilled to have you in my AP course this next year. Physics is an exciting subject that provides us with the basis of all other sciences. Physics gives us insight into the order of the amazing world and universe that God has created.

I assume that you have chosen this AP Physics course because of your interest in science and your desire to know more about our world and how things work. This course will be taught at a college level and will be fast paced to give you a broad algebra based perspective of Physics principals. You will cover motion, fluids, heat, sound, light electricity, magnetism, atomic and nuclear physics, which are the concepts that will prepare you for the Physics AP “B” exam at the end of the year. You will be accomplishing physics lab activities throughout the year that will provide you with the practical application to better understand the physics principals. Since this is an AP course the Physics AP “B” exam at the end of the year will be mandatory for all students. By taking the AP Physics “B” exam, you will have the ability to validate a college level algebra lab based physics course.

This summer you need to obtain a copy of our text, *Physics Principals and Applications (6th edition)* (ISBN 0-13-060620-0 [book only], ISBN 032-1569830 [packaged with Mastering Physics]) by Douglas Giancoli. You will need to have both the text and a subscription to *Mastering Physics*, which is the online homework website. If you purchase the book used or without the bundled *Mastering Physics* online homework subscription you may purchase a 1 year subscription to the online homework for \$50 using a credit card at the following site; www.masteringphysics.com. Please have your book and register online in Mastering Physics by **1 July 2010**. This summer you will be required to read Chapter 1 – Introduction, Measurement, and Estimating in the book and accomplish the first two summer online homework assignments in Mastering Physics (**Due 20 Aug 2010**). The first summer assignment is a “hands-on” introduction into how to use the features in the online Mastering Physics suite and will not be scored but is for your practice. The second summer assignment will cover the concepts in Chapter 1 and will be for a score. Please hone your math skills by reviewing sections A-1, 2, 3, 4, and 6 in the Appendix at the back of your book. The attached letter will explain more about how to login to Mastering Physics and how your assignments will be scored.

The author does a great job of blending physics applications from all facets of science to include Chemistry and Biology. I will also use many of my Air Force flight examples and experiences to show how Physics is applied in the field of engineering. The author selected a picture of the mountain K2 (the second tallest peak in the world and probably the most difficult of the peaks over 8000 meters to summit) for the cover of this text. Like K2 on the cover of our text, I hope you enjoy your summit climb of the challenging, fascinating, and magnificent subject of Physics. I am excited to meet and get to know you as we journey through Physics next year.



If you have questions or need to contact me this summer my cell phone number is (253) 951-5693.

In His service,

Thomas R. Spicer

Mr. Tom Spicer

Tom.spicer@valorchristian.com

SUMMER ASSIGNMENT DETAILS

If you have not already ordered your Physics book and your Mastering Physics online homework subscription you need to do so. The book that we are using again next year is; *Physics Principals and Applications (6th edition)* (ISBN 0-13-060620-0 [book only], ISBN 032-1569830 [packaged with Mastering Physics]) by Douglas Giancoli bundled with *Mastering Physics*. If you order your book used, you will have to subscribe to Mastering Physics (online homework subscription) at an additional cost of \$50. The Mastering Physics on-line homework website link is; <http://www.masteringphysics.com/>. You will use this site to register and also complete your online homework. I strongly suggest that you use the print feature in Mastering Physics to print your homework at the beginning of each cycle so that you can work the problem out on paper before entering the answers into Mastering Physics. There is an excellent tutorial movie on how to register for Mastering Physics at; http://tours.pearsoncmg.com/tours/sms_register_student.html

REGISTRATION FOR MASTERING PHYSICS (Please Log-in by 1 July 2010)

1. Go to www.masteringphysics.com on the internet and you should get the screen shown to the right.



2. Select the button under Register that says “New Students”

3. You will now be taken to a register screen like the one shown below. If you received an access code bundled with your new text you can answer Yes. They will later ask you to type in the access code.

4. If your book was used or did not come with a Mastering Physics access code (usually in a 6 inch square cardboard envelope), then you will select the button that says, “No, I need to purchase access online now. (You will need a valid credit card to do this)

Register for MasteringPhysics™

Step 1: Do you have an access code?

A student access code is a printed code supplied inside the MasteringPhysics Student Access Kit (and sometimes by other means.) If your instructor requires you to use MasteringPhysics, a student access kit may have been included with the purchase of your new textbook.

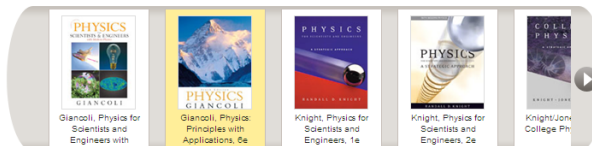
Yes, I have an access code. No, I need to purchase access online now.

Example
SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES
your access code may look like this

Step 2: Tell us which book you're using:

Scroll & click to select.

[In U.S. & Canada](#) | [Outside U.S. & Canada](#)



You selected:
Giancoli, Physics: Principles with Applications, 6e

Step 3: eText Options

Would you also like to buy access to the [eText](#) (online version)?

Yes, please include the eText with my MasteringPhysics subscription. (Price will be shown before purchase.) No, thanks.

[Continue >>](#)

5. They will ask you which text you will be using. Ours is the one with the mountain on it, Physics: Principles with Applications by Giancoli, version 6e.

6. You will be asked if you want to include the e-Text with your subscription. This is an electronic form of the book. This costs extra and since you have a hard copy of the book this is really not necessary.

7. Please make sure that you enter an accurate email address. This address will be used for the Mastering Physics staff and myself to help you with your questions.

8. After you finish the registration process you will need to enter our course identification which is; **VALORPHYSICSAP2010.**

9. Our textbook publisher (Prentiss Hall) has an outstanding website that complements our book. You can access this webpage at the following link;

http://wps.prenhall.com/esm_giancoli_physicsppa_6/16/4350/1113739.cw/index.html. It would be a good idea to bookmark both the Mastering Physics and the above link into your website favorites on your browser.

10. Now you are ready to work on your summer homework assignments. You may log-in to Mastering Physics and start the first assignment which is labeled; ***Summer - Introduction to MasteringPhysics***. The first summer assignment is a “hands-on” introduction into how to use the features in the online Mastering Physics suite and will not be scored but is for your practice.

11. Next you should read Chapter 1 – Introduction, Measurement, and Estimating in the book and accomplish the second summer online homework assignment in Mastering Physics labeled; ***Summer - Chapter 1 - Introduction, Measurement and Estimating***. The second summer assignment will cover the concepts in Chapter 1 and will be for score. On non multiple choice questions you get 6 tries to answer correctly. If you don't get the answer correct on your 6th try that part of the problem will be scored zero.

12. Finally please please polish your math skills by reviewing sections A-1, 2, 3, 4, and 6 in the Appendix at the back of your book.

13. Your online Mastering Physics Homework is due on 20 Aug 2010 at 10:00 PM. For each hour late you submit your homework you will lose 0.5% on that problem. This means that after about one full cycle (about 8 days if you count the weekend) you will receive no credit for that homework problem. It is very important to do your homework on time so that you don't fall behind and also so you don't lose points.

Have a great summer and I look forward to seeing you in class in August. If you have any questions or problems, please call me at 253 951-5693. If I am not able to answer the phone leave a message with your name and number and I will call you back when I am free.

Thomas R. Spicer

Mr. Tom Spicer

Tom.spicer@valorchristian.com