

AP Physics Summer Homework

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1. EMAIL ADDRESS: Please send me an email from the account you use the most. I will use this address to create a mailing group to be used throughout the coming school year. This email will count as your first homework grade but it must be received by August 15. You will not receive homework credit if I receive your email after this date.
2. STUDY GUIDE: Please purchase the 2010-2011 AP Physics B&C prep book 5 Steps to a 5 published by McGraw Hill. Please note that this is last year's book and there will be used copies available for a reduced price. We will use this book during the year to complement the textbook. You must bring it to class on the first day. It will be used as part of an assignment the first few days of class.
3. READ A BOOK: Select a book from the following list and write a 250 to 300 word report describing the book and its relationship with science and/or mathematics.
 1. Hominids / Robert J. Sawyer.
 2. Blasphemy / Douglas Preston.
 3. Enigma / Robert Harris.
 4. Spin / Robert Charles Wilson.
 5. The Andromeda Strain / Michael Crichton.
 6. The Hitch Hiker's Guide to the Galaxy / Douglas Adams
 7. Stranger in a Strange Land / Robert Heinlein
 8. Do Androids Dream of Electric Sheep / Phillip Dick
 9. The Time Machine / H.G. Wells
 10. Atlas Shrugged / Ayn Rand
 11. The War of the Worlds / H.G. Wells
 12. Angel and Demons / Dan Brown
 13. A Short History of Nearly Everything / Bill Bryson
 14. Surely You're Joking, Mr. Feynman! / Richard Feynman
 15. Six Easy Pieces / Richard Feynman
 16. Driving Mr. Albert / Michael Paterniti
 17. Tesla – Man Out Of Time / Margaret Cheney
 18. Galileo's Daughter / Dava Sobel
 19. A Beautiful Mind / Sylvia Nasar
 20. Five Equations That Changed the World
 21. Einstein - His Life and Universe / Walter Isaacson
 22. $E=mc^2$ / David Bodanis
 23. Electric Universe / David Bodanis
 24. The Electric Life of Michael Faraday / Alan W. Hirschfeld