



## Marine Studies and Culture Department's Summer Reading List – 2009

The following titles are required reading. Teachers will assume that students have completed all required reading **BEFORE** the first day of class. Students should report to school prepared to discuss each text. Summer reading quizzes take place during the first weeks of class.

### English Classes

9<sup>th</sup> Honors Ernest Hemingway, *The Old Man and the Sea*  
Lorraine Hansberry, *A Raisin in the Sun*  
Orson Scott Card, *Ender's Game*

10<sup>th</sup> Honors Laura Esquivel, *Like Water for Chocolate*  
James McBride, *The Color of Water*

11<sup>th</sup> Honors Julia Alvarez, *How the Garcia Girls Lost Their Accents*  
Mark Twain, *The Adventures of Huckleberry Finn*

11<sup>th</sup> Advanced Placement

Flannery O'Connor, *A Good Man is Hard to Find and Other Stories*  
Julia Alvarez, *How the Garcia Girls Lost Their Accents*  
Mark Twain, *The Adventures of Huckleberry Finn*

12<sup>th</sup> Honors Kazuo Ishiguro, *Never Let Me Go*  
Ian McEwen, *Atonement*

12<sup>th</sup> Advanced Placement

Margaret Atwood, *The Handmaid's Tale*  
Alice Walker, *The Color Purple*  
Michael Frayn, *Spies*

### AP American History

Chapters 1- 4 in *America Past and Present*  
(Check out the textbook and specific assignment from Mrs. Reboredo in Room 10)

### AP Spanish

Rudolfo Anaya, *Bendiceme, Ultima*

2009-2010 Physics student \_\_\_\_\_ ,

According to MAST Academy records, you are enrolled in a PHYSICS class next year. You must see Dr. Hood in Room 38 right away, certainly *before* the end of this 2009 school year.

You will be receive:

1. your textbook
2. a summer reading assignment
3. information about an online program you will need to start using during the summer

You will have several problems due *before* school begins. Assessments during your first two weeks of school will rely on your successful completion and understanding of this work. If you choose not to do this work, your first term grade and my impression of you as a dedicated student will be seriously damaged. Physics is a challenging course, requiring at least a working understanding of scientific notation, metric prefixes, use of conversion factors, graphical representation of data, dimensional analysis, and algebraic manipulation of equations. If you are not prepared for and committed to this course, consider transferring out NOW!

I will help you ☺

I have received this information and understood my responsibilities: \_\_\_\_\_  
signature

name: \_\_\_\_\_  
printed

date: \_\_\_\_\_

Textbook # \_\_\_\_\_

circle one: Serway & Jewitt (AP)

Walker (Honors)

Holt (Regular)

Dr. Hood's 2009-2010 Physics students: In addition to numerous problems & exercises in class, you will now be using the Quest Homework Service provided by the University of Texas. AP course is: 59651; Honors course is: 59652; Regular course is: 59653

1. Go to: <http://quest.cns.utexas.edu/student>
2. click on "get started"
3. create a new UT EID by clicking "I need a UT EID"
4. do the stuff to set up an account
5. once you have the account, go to: <http://quest.cns.utexas.edu/student> and login
6. after you've successfully registered, **do your Homework assignments!**

Note dates of availability and due dates of each assignment!

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Additional reading assignments

**AP:** Read Chapter 1 on *Physics and Measurement* from Physics for Scientists and Engineers by *Serway & Jewitt*, and be comfortable with problems #1-71, pages 17-22.

**Honors:** Read Chapter 1 *Introduction* from Physics by *Walker*– most of the ideas and concepts from these Chapters should be a review of material you covered in your prior Honors Chemistry, Algebra and/or Geometry courses. The purpose of this review is for me (and you!) to assess whether you should be taking Honors Physics this year. If you used an override to take Honors, I recommend you reconsider switching to Regular. You need to feel competent in the content areas of the Chemistry, Algebra and Geometry curricula. If you are not willing/able to quickly (re)learn the concepts associated with those courses, then you should strongly consider NOT taking Honors Physics! Do problems #1-40 from pages 14-15. These problems need to be presented to me in writing upon entering my classroom on day 1 of school.

**Regular:** Read Chapter 1 *The Science of Physics* from Holt Physics by *Serway and Faughn* – most of the ideas and concepts from these Chapters should be a review of material you covered in your prior Chemistry, Algebra and/or Geometry courses. The purpose of this review is for me (and you!) to assess whether you should be attempting Physics this year. If you do not feel competent in the content areas of the Chemistry, Algebra and Geometry curricula and are not willing/able to quickly (re)learn the concepts associated with them, then you should strongly consider NOT taking Physics this year! Do the following problems: Page 15 Practice A problems #1-5 and Pages 28-31 Practice Problems #5-7, 11-14, 23-27, and 37-45, and the Standardized Test Prep questions #1-17 on pages 32-33. These problems need to be presented to me in writing upon entering my classroom on day 1 of school.

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I also require you all to sign up for your course account on *Moodle*. Throughout the year, I use *Moodle* extensively. Class assignments, links to homework and lab demos, information you will be responsible for, everything and more will be on *Moodle*. I update my course information several times a week and expect you to check and use this online course management tool often! Sign up NOW (password: **DrEvil** – no caps, no periods)

# AP Environmental Science Summer Reading Assignment

## “Plan B 3.0 – Mobilizing to Save Civilization”

By Lester Brown, 2008 by Earth Policy Institute

### 25-Question Test based on the following questions

**Due First day of class**

FIND BOOK IN MOODLE - AP ENV SCI or at

<http://www.earth-policy.org/Books/PB3/index.htm>

### I. A Civilization in Trouble

#### Chapter 2 – Deteriorating Oil and Food Industry

1. What was the price of oil in terms of bushels of wheat between 1950-1972? What was that price relationship in 2007?
2. What are the “**pre-peak countries**”?
3. When did the oil production peak?
4. What are the options “**post-peak**”?
5. Did the fall in grain production per person immediately translated into more hunger?
6. Which ones are the “**big three grains**”?
7. How do cars and people compete for crops?
8. What is the most important risk of **rising grain prices**?
9. What are the options to avoid **food riots** and reduce the price of **biodiesel**?
10. What are the **3 oil-intensive industries**?
11. How many children die everyday from **hunger**? How many in the world are **malnourished**?

#### Chapter 3 – Rising Temperatures and Rising Seas

1. Which is the industry that is hardest hit by the relationship between higher temperatures and storm intensity?
2. Why is the current annual rise of CO<sub>2</sub> emissions 4 times of what it was in 1950?
3. What is the **Intergovernmental Panel on Climate Change (IPCC)** and what are its projections?
4. How much of an increase in wildfires can be elicited by a 1.6 degree-Celsius rise in summer temperature?
5. What happens to the **photosynthetic and pollination processes over 104°F (40°C)**?
6. By what year will the **Arctic Ocean be ice-free in the summer**?
7. What and where are the **Low Elevation Coastal Zones**?
8. What are the projected numbers on **environmental refugees**?
9. How are higher global temperatures with stronger **tropical storms**?
10. What are the 3 components of the “**carbon-cutting effort**”?

### Chapter 4 – Emerging Water Shortages

1. What is the reason that has triggered a **global water deficit**?
2. What are the causes and consequences of **aquifer overpumping**?
3. How can a future of water shortage connected to a **future of food shortages**?
4. Describe the case of our **Colorado River basin** and its irrigated area?
5. Why are **lakes disappearing** on every continent?
6. How many tons of water takes to make 1 ton of steel vs. 1 ton of wheat?
7. What is happening with the Colorado **water market** and the area's **water rights**?
8. How does **water scarcity** cross national borders? How does it lead to **political stresses**?

### Chapter 5 – Natural Systems Under Stress

1. What were the consequences of 15 years of **illegal logging** in Thailand by 2004?
2. What are the causes and consequences of **shrinking forests**? Describe what happened in the **Amazons**.
3. Describe the formation cycle of **topsoil**.
4. What was the **1930s Dust Bowl** in the USA?
5. How does **water erosion** take a toll on soils?
6. How does **overgrazing** affect land degradation?
7. Why does the author contend that “**China is at war**” on page 96?
8. Did the world eat more **fish** in the 1970s or in the 1950s?
9. What % of **fish has disappeared** from the oceans in the last 50 years?
10. Describe how are **dead zones** created? Give an example. (p.100)
11. When is “**the sixth extinction** set to happen”?
12. What is “**colony collapse disorder**”?

### Chapter 6 – Early Signs of Decline

1. What are the two reasons for the **gap in life expectancy around the world**? How big is that gap?
2. What % of the world is **overnourished** and what % is **undernourished**? Assume that the world population is 6.6 billion.
3. What are the consequences of being born from an **undernourished** mother?
4. What is the **demographic divide**?
5. What is the **educational divide**?
6. How does **air and water pollution affect health**?
7. Where does **mercury** in the atmosphere come from?
8. What is the **throwaway economy**? What is the option?
9. Briefly describe the **competition for land** in Nigeria? (p. 118)
10. What countries are involved in the **water wars** around the Nile river basin?
11. What are the “**kamikazes of poverty**”? Give an example. (p.122)
12. Mention 3 of the 12 indicators used in constructing the **Foreign Policy** scorecard?
13. The **number of unemployed young men** is a key indicator to what? (p.125)
14. Why are **failing states a growing international concern**? (p.125)

# AP Biology

## Academic Year, 2009 – 2010

### Summer Reading Assignment

#### READ THIS CAREFULLY!

Welcome to AP Biology. Our biggest concern is time; we are always fighting the calendar. In order to save some time next school year I am going to issue all the textbooks we have (the rest of the books will be issued in August, I hope) so that you can complete a reading assignment before school begins.

One of the things that you must be able to do in order to do well in AP Biology and on the examination next May, is to muster up the discipline needed to efficiently read and study a very large body of information. You have to be able to do this continuously throughout the school year without someone pushing you. **If you need to be pushed, you are not going to do well in this class.**

Please complete the following before you return:

- Read** chapters 1 – 5 in Campbell, *Biology 7<sup>th</sup> ed.*, either in the textbook or on the publishers website. Read carefully, and do not overlook the wonderful illustrations (and captions) in the text; they are very helpful.
- Review** all the *Concept Check (CC)* the questions at the end of the sections of chapters 2 – 5.
- Purchase** a copy of **Cliff's AP Biology** (3<sup>rd</sup> edition) review book. There are others on the market (Princeton Review, Barron's), however I think that *Cliff's* serves our purposes the best. They are sold in all bookstores or can be ordered from **amazon.com** on the web. **Study** chapters 1 – 5 to prepare for your **first examination** that will be administered some time during the first two weeks of school. Yes, it counts. No, it will not be given on the first day of school; however you will be expected to answer the CC questions when you return. **REMEMBER: Reading alone is not studying.**
- Read anything in the biology text that interests you. The more you read the better. Trust me.
- Don't lose the book. It's expensive (about \$100) and difficult to replace.

**THIS IS IMPORTANT: If you did not receive a textbook you can read the entire assignment online. Just follow the following directions to access the textbook on the publisher's website.**

1. Register at <http://www.phschool.com/access/index.html>
2. Click on "Covered Titles," then click on your title from the list (Campbell's 7<sup>th</sup> ed.).
3. Choose Student Registration.
4. Click "I Accept" at the bottom of the License Agreement page.  
Enter the access code: **SSNAST-EMAIL-UPEND-KANZU-HAMZA-LIKES**
5. Provide your school zip code (33149) and country. (MAST is not listed. Enter it as "other".)
6. Next page, complete your Personal Information and School Information.
7. Create your Username, Password and Security Question.
8. The website address is: [http://wps.aw.com/bc\\_campbell\\_biology\\_7/](http://wps.aw.com/bc_campbell_biology_7/)

Throughout the year, you will be submitting material through Moodle or iGoogle docs. Please familiarize yourself with the later if you haven't done yet so.

If you have problems, just email me.

**Good luck!**

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