

Academy of Allied Health & Science
Summer 2010 Reading and Related Assignments

For all students grades 9-12

Read *Choosing Civility: The Twenty-five Rules of Considerate Conduct*
by P.M. Forni

English Assignments

Freshmen (Class of 2014)

Read *Of Mice and Men* by John Steinbeck

Sophomores (Class of 2013)

Read *Adventures of Huckleberry Finn* by Mark Twain

You may read an edited or an original version. Read carefully and take notes on the main characters

Juniors (Class of 2012)

Read the two Ernest Hemingway novellas, *In Our Time* and *The Old Man and the Sea*.

Seniors (Class of 2011)

Required Reading: *One Flew Over the Cuckoo's Nest* by Ken Kesey **AND** *My Sister's Keeper* by Jodi Picoult

Required Writing:

Find **three** different **real** college essay prompts and write a first draft for each. Use prompts from colleges you will be applying to or find three from the Internet or a mailing.

- Full essays are required.
- **MLA format required**. Use any of the three English teachers to complete the heading.

These three first drafts are **due on the first day of school** to your homeroom teacher - September 2010.

Summer 2010 - Required Science Reading / Written Assignments

For incoming...

9th grade Biology: *The Hot Zone*, by Richard Preston

10th grade Chemistry: *Uncle Tungsten: Memories of a Chemical Boyhood*,
by Oliver Sacks

11th grade Physics: *Surely You're Joking Mr. Feynman*, by Richard P. Feynman

12th grade Chemistry II/Cell Biology: *Napoleon's Buttons, 17 Molecules That
Changed History*, by Penny Le Couteur & Jay Burreson

2010 Summer Reading for incoming 9th grade Biology:

The Hot Zone

By Richard Preston

Paperback ISBN: 0-385-47956-5

(Read a description: <http://www.richardpreston.net/books/hz.html>)

Be prepared to take a test the first week of school covering your summer reading assignment. You will not be permitted to access the book and notes during the test. Keep this in mind when scheduling your reading time over the summer. You may want to consider reading the book closer to the end of August. It is a great book. Many of our students remember it long past freshmen year. Hope you enjoy it too!!

2010 Summer Reading for incoming 10th grade Chemistry

Uncle Tungsten: Memories of a Chemical Boyhood

By Oliver Sacks

Paperback ISBN 0-375-70404-3

Hardcover ISBN 0-375-40448-1

(Read an excerpt: <http://www.oliversacks.com/tungex.htm>)

Provide evidence of reading by submitting **one** of the following four projects:

- a) Construct a Dr. Seus style, illustrated rhyming book, incorporating themes from *Uncle Tungsten* and the Periodic Table. Minimum 8 pages (4 pages front and back, not counting the covers).

- b) Draw colored caricatures, medium your choice, of 4 members of Oliver Sacks' family based on his descriptions in the book. Each character should be drawn in a setting from the book. Each drawing should be on an 8.5" x 11" piece of typing paper or its equivalent.
- c) Construct a comic book story, minimum 8 pages (4 pages front and back), 6 panels each page, that incorporates at least four of the scientists presented in *Uncle Tungsten*.
- d) If *Uncle Tungsten* was a rock band, design an actual T-shirt (front and back) for his 2010 Summer Tour, incorporating features from at least twelve different chapters in the book. Be sure to provide a written key highlighting these features and their related chapters.

The project is to be submitted the first day of school by all students. You can drop it off at the chemistry lab in the morning before classes begin. It will count as one quiz grade, pass or fail, full credit or zero. Lates and poor quality work will not be accepted. So, be creative, enjoy the book....but please be sure to read the book!

If you have any questions, feel free to e-mail Ms. Reilly. (**Personal note- Don't wait until August 31!! KR**)

2010 Summer Reading for incoming 11th grade Physics:

Surely You're Joking Mr. Feynman, Adventures of a Curious Character

by Richard P. Feynman

Paperback ISBN: 0-393-31604-1

(Read a book review:

<http://physics.about.com/od/richardpfeynman/gr/surelyjoking.htm>)

This book is a very interesting take on a world re-known physicist Richard Feynman. It is a series of stories told in a very hilarious and matter of fact way that one would not expect from a physicist. **All Juniors will be asked to respond to a 1 to 2 page analysis of questions relating to this individual and his experiences. This analysis will be worth 35 points towards their MP1 grade - 15 points will go towards format and the remaining 20 points towards content. Be prepared to take this test the first week of school.** You will not be permitted to access the book and notes during the test. (Keep this in mind when scheduling your reading time over the summer. You may want to consider reading the book closer to the end of August.)

2010 Summer Reading for incoming 12th grade Chem. II/Cell Bio.

Napoleon's Buttons, 17 Molecules That Changed History

by Penny Le Couteur & Jay Burreson

Paperback ISBN 978-1-58542-331-6

Provide evidence of reading by submitting **one** of the following two projects:

a) "Strangers on a Train":

A stranger passes your seat on a train while you are reading *Napoleon's Buttons*. They are intrigued by the title and ask you about its contents. Your challenge is to convince them of the *scientific and historical significance* of **four different molecules** presented in the book using examples from the book and from your experiences at Allied. At least four chapters must be addressed. Follow a standard 5-paragraph essay format.

(Personal comment: Feel free to exceed the five paragraphs, but make it interesting reading. I don't need a sedative. KR)

b) In the spirit of MacGyver (doing science with ordinary things around the house), **construct** a series of three-dimensional molecules (6 molecules in total) representing three of the chapters you have read in the book.

- i.) Two molecules, selected from each of your chosen chapters, are to be built.
- ii.) Provide a description of the significant structural components that tie these molecule pairs together.
- iii.) Write a brief explanation of the molecule's role in history (10-15 sentence paragraph in your own words, not quoted from the text.)
- iv.) All of the above needs to be able to be displayed – perhaps a shoebox, mobile? You decide, but please make it reasonable in size. Be resourceful. Use recyclable material. This project should not be costly to you.

The project is to be submitted the first day of school by all students. You can drop it off at the chemistry lab in the morning before classes begin. It will count as one quiz grade, pass or fail, full credit or zero. Lates and poor quality work will not be accepted. So, be creative, enjoy the book....but please be sure to read the book!

If you have any questions, feel free to e-mail Ms. Reilly. If you still have her home number, from the days of sophomore chemistry, phone calls are also acceptable.

(Personal comment: Don't wait until August 31!! All calls before 9 pm. I need my beauty sleep! KR)