

Michael E. DeBakey High School for Health Professions

Pre-AP IPC Syllabus

Course: Pre-AP IPC Spring 2009

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Course Outline

(Note: This is a tentative schedule only. Topic sequence may be adjusted)

Cycle IV: Jan 6th – Feb 20th

Properties and classification of matter

- Compare and contrast three states of matter
- Distinguish between elements, compounds and mixtures

Physical and Chemical changes

- Investigate and differentiate between physical and chemical changes

Atomic Structure

- History of the atom
- Describe the basic structure of the atom

Cycle V: Feb 23rd - April 9th

Chemical Bonding and The Periodic Table

- Gather identifying information for elements on the PT
- Relate the placement of elements in periodic table to chemical behavior

Chemical reactions

- Identify the five types of chemical reactions
- Balancing chemical equations

Cycle VI: April 13th – May 28th

Water and Solutions

- Describe the structure of a water molecule and explain why it is called the Universal Solvent
- Describe the parts of a solution
- Explain the process of dissolution

Acids and Bases

- Distinguish between acids and bases
- Investigate acid-base reactions and neutralization

Nuclear Energy

- Distinguish between fusion and fission
- Explore practical applications of nuclear energy

Textbook & Resources You will need to bring **all** of the following materials to class **EVERYDAY**.

1. Textbook
2. Scientific Calculator
3. Pencils
4. Blue or Black Pen (no other colors are permitted)

Class Rules

1. **Be Prompt** - Be on time
2. **Be Prepared** - Bring all necessary supplies and assignments to class each day.
3. **Be Productive** - Stay focused and on task at all times.
4. **Be Polite** - Respect yourself, your peers, your teacher and your school at all times.
5. **Be Proud** – Respectfully show your pride in being a member of this class, DeBakey HSHP and your community.

Grading Policy

Tests = 50% of grade (generally given every 2-3 weeks or at the end of a unit)

Labs and quizzes= 40 % of grade

Homework/Class Participation = 10% of grade

Homework is always due **at the beginning of class**. If you fail to turn it in at that time you will have until the next class to turn it in, however, you will receive a grade no higher than 70%.

Absences

When you are absent, it is your **responsibility** to complete the missed work and get the notes from class. If you are absent on the day an assignment is given you have **three days** to complete the assignment. If you are absent on the day a prior assignment is due, you have to hand in the assignment (or complete the test/quiz) **the day you return to school**.

Assignment Format

Label all assignments in the **upper right-hand corner** as follows:

Student's First and Last Name
Teacher Name
Subject and Period
Date