

## **Chemistry Syllabus 2008-2009**

**Craig Lobdell Instructor**

**Delaware Area Career Center**

**Room 116 F 740-363-1993 x2225**

### **Course Description:**

This course is designed to achieve in the student an understanding of science and the use of scientific experimentation an explanation of the atom and molecular structures will be necessary for an understanding of the higher levels of chemical bonding and association. As this is a chemistry course, extensive use of laboratory and hands on skills will be employed. Along with assigned textbook readings, much of the coursework will come from additional handouts and experimental worksheets.

### **Course Goals:**

- \* To develop an increased ability to think in a scientific and logical manner
- \* To develop an increased awareness and understanding of the major concepts in chemistry.
- \* To develop an increased awareness and respect for the chemical complexity of the world around us.
- \* To develop an increased level of independence and responsibility concerning one's personal and educational goals.

**Textbook required:** Chemistry Concepts and Applications Glencoe

Introduction to Chemistry/ History of Chemistry

Puzzle of Matter

Properties and changes of Matter

Atoms the Basic Unit /Electrons

Development of Periodic Table / Compounds

Molecules and Bonding

Electron Interactions/ Lewis Structures

Chemical Equations / Nature of Reactions

Expanding the Theory of the Atom

Balancing Equations! Stoichiometry

Reactions:

Acid! Base Relationships

Oxidation/ Reduction Reactions

Gas Laws/ Introduction to Thermodynamics

### **Classroom Rules and Procedures:**

**Adult behavior is expected at all times. The rules and procedures to be followed in the classroom center on the production of a proper learning environment and atmosphere of respect between the students and the teacher. Behaviors that interfere with above are not acceptable.**

### **Specific Regulations:**

Harassment of any kind will not be tolerated. See student agenda for specific actions taken.

Students should go immediately to their assigned seats when entering the room and be ready to start class when the bell rings.

A student is considered tardy when he or she fails to enter the room before the bell rings. A thirty- second grace is given.

Class tardies will be dealt with in accordance to the student agenda see instructor's addendum.

Students should report any evidence of vandalism in the immediate area to the instructor right away.

The use of the phone line and computer are strictly off limits. Two computers LOCATED IN THE BACK are for student use, with permission from instructor.

### **Attendance Policy:**

Be in class everyday. Daily Attendance will be a part of your grade. Therefore it is imperative for you to attend class regularly and be on time. See attendance policy in the student agenda

All work missed by the student is to be made up on a timely basis: 2 weeks for extended absence, a few days for short absences. The time frame for making up missed assignments should be arranged between the student and the instructor. Failure to make up work on a timely basis results in a zero.

### **Textbooks:**

Textbooks are the property of Delaware Area Career Center and are loaned out to students on a yearly basis. Books are to be covered at all times and brought to the classroom daily.

### **Hall Pass:**

Hall passes are a privilege and must be earned. Hall passes will only be given 5 minutes before class or 5 minutes toward the end of class, and only to those students who have completed their daily assignments and behave properly. Hall passes may be used in emergency cases.

**Homework:**

The student is to check the board form weekly assignments. Homework that is late or not completed satisfactorily will receive a 60% providing it is turned in within the allotted time period of three days. Each quarter the student will be given one homework pass, which will allow them to turn in an assignment one day late and still receive full credit.

**Grading:**

A student's grade will be based on the point system established by the Delaware Board of Education.

|           |   |
|-----------|---|
| 100-98=A+ | Points can be earned through homework, quizzes, tests, labs,        |
| 97-93=A   | projects, daily participation and daily attendance, extra credit    |
| 92-90=A-  | assignments, lab reports, and lab notebooks.                        |
| 89-87=B+  |   |
| 86-83=B   | each assignment will be worth a given number of points.             |
| 82-80=B-  | The student's grade will be based on the points earned              |
| 79-77=C+  | divided by the total possible points for that grading period.       |
| 76-73=C   |   |
| 72-70=C-  |   |
| 69-67=D+  | <b>Sample calculation:</b> 860 pts. Earned /1,000 pts. Possible 86% |
| 66-63=D   |   |
| 62-60=D-  |   |
| 60-00=F   |   |

Incomplete

Students should bring their textbooks, notebook, student agenda and writing instruments to class daily. Failure to do so will result in loss of daily participation points.

The use of a spiral bound notebook is highly encouraged for homework and lab assignments

**Testing procedures:**

All major tests will be announced 3 days or more prior to the test. Quizzes may be announced or unannounced. It's the students' responsibility to check the board daily for his or her assignments and schedule of class activities.

Cheating incurs an automatic zero, a note to the parents and notification to the Dean. This also applies to plagiarism in regards to homework and lab activities.

**Labs and Projects:**

This makes up approximately 30-40% of your grade. Labs are worth between 10- 50 points. Grade is based on technique, ability to follow directions and procedures, behavior and lab write ups. Projects will be graded according to a set rubric sheet. Horseplay in the lab will not be tolerated and will result in a zero for the day. A second violation will result in zeros for the remainder of the grading period and possible probationary status regarding labs for next semester.

### **Extra Credit:**

Every student may do at least one extra credit assignment per grading period. Students who earn 60% or less on a test may do an additional extra credit for each failure. The last day extra credit will be accepted is the Friday before finals week, at the beginning for the period. Extra Credit is worth 10 points. To receive credit, follow the format below exactly:

1. Read an article relating to science or technology from a newspaper or magazine. Possible ideas include: medicine, pollution, natural disasters, man-made disasters, or new scientific discoveries.
2. Neatly cut the article and attach it to the top of the page. DO NOT cut from any library materials.
3. Write a 5-7 sentence paragraph summary of the article using your own words.
4. Skip a line
5. Write at least 2 sentences telling how the article pertains to the course.
6. Skip a line
7. Write at least 2 sentences explaining how the information in the article could influence our lives.

**Chemistry Syllabus:**

I have received a copy of the syllabus from Mr. Lobdell; he has gone over it in class,

I have read the syllabus and agree to abide with the regulations and my signature acknowledges verbal receipt of the information.

Name \_\_\_\_\_

Date \_\_\_\_\_