

FORSYTH COUNTY COURSE SYLLABUS

2009-2010

COURSE TITLE:	Honors Chemistry	E-MAIL:	mshuman@forsyth.k12.ga.us
TEACHER NAME:	Mr Matthew T Shuman	PHONE:	770-681-2264 EXT: 100494
ROOM:	494		

Course Description: The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in chemistry. This curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. Other topics specific to preparing students for the rigors of an Advanced Placement course will be integrated throughout the course. The rigor and instructional techniques will model the Advanced Placement course requirements as much as possible.

Standards: Course standards can be found at www.georgiastandards.org and on my class webpage. Copies of the chemistry standards will also be provided as a separate handout.

Learning Resources/Textbook(s): Glencoe Chemistry: Matter and Change **Replacement Cost:** \$ 71.97
Students will only need to bring their textbook to class when announced. Online course resources will include ANGEL and WebAssign. Students are expected to check ANGEL for updates and announcements daily.

Required Assignments: This course consists of thirteen units. Within each unit students will be expected to complete assigned homework, quizzes, labs, and unit tests. A test will be given after the completion of each unit. Unit test dates will be announced and posted several days in advance. Laboratory reports, homework, and homework quizzes are daily grades. Depending on the nature of assignment projects, they will either be a formative or summative grade.

Unit One – Scientific Measurement and Calculations (Ch. 1, 2)

Unit Two – Matter and Energy (Ch. 3)

Unit Three – Atomic Structure (Ch. 4, 24)

Unit Four – Electron Configuration and Periodicity (Ch. 5, 6)

Unit Five – Nomenclature and Bonding (Ch. 7, 8)

Unit Six – Chemical Reactions (Ch. 9, 19)

Unit Seven – Mole and Composition Calculations (Ch. 10)

Unit Eight – Stoichiometry (Ch. 11)

Unit Nine – Solutions (Ch. 14)

Unit Ten – Thermochemistry (Ch. 12, 15)

Unit Eleven – Gas Laws (Ch. 13)

Unit Twelve – Acids and Bases (Ch. 18)

Unit Thirteen – Equilibrium (Ch. 17)

Availability for Extra Help: I offer morning and after school help sessions on Tuesdays and Thursdays. Morning sessions will begin at 7:50am and after school sessions will start at 3:20pm and end at 4:05pm. I am also available by appointment on Mondays after school. If these help session times are not convenient for your schedule, please speak to me about an alternative time and date.

Makeup Work: All missed work and assessments are the responsibility of the student when they are absent from school. A student who is absent on the class day before a regularly scheduled assessment will be responsible for completing the assignment on the regularly scheduled day and time. Students who have been absent more than two consecutive days (including the assessment day) will be given five (5) school days to make up the assessment and/or other assignments. This does not include major projects, research papers, etc., where the deadline has been posted in advance. The teacher has the discretion to grant a longer period of time to make up work if there are extenuating circumstances.

Grading Calculations:

Course Average = 42.5% (1ST Sem. Course Work) + 42.5% (2ND Sem. Course Work) + 15% EOCT or Final Exam

1ST & 2ND Semester Course Work = 60% Summative + 40% Formative

Concept of formative assessment: <http://pareonline.net/getvn.asp?v=8&n=9>

Grading Policy:

A = 90 – 100

B = 80 – 89

C = 70 – 79

Failing = Below 70

Formative Unit Grades

Homework will be assigned regularly for mastery of content, and may include lab analysis and conclusions, WebAssign, reading, worksheets, and problems from the book. At the end of each unit, students will be given a formative assessment points checklist, including in-class and homework assignments from the unit. The formative assignments will be due the day of the unit test. Due dates for labs will be announced and will count as a formative grade. Labs for each unit will be combined for one lab formative grade per unit.

Quizzes may be announced or unannounced and will be used during the unit to assess learning. Quizzes will be formative grades.

You can expect approximately 3 formative grades per unit and approximately one summative grade per unit.

Late Policy

Chemistry content is cumulative and falling behind will be detrimental to your success in this class. Late work will be accepted for 2 days only past the due date. One day late will result in a grade no higher than 70% and two days late will result in a grade no higher than 50%. **Late work will not be accepted after two days.**

