

FORSYTH COUNTY COURSE SYLLABUS

2019-2020

COURSE TITLE:	Honors Chemistry	E-MAIL:	atillery@forsyth.k12.ga.us
TEACHER NAME:	Mrs. Amy Tillery	PHONE:	770-781-2264 EXT: 101413
ROOM:	1413		

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 Its Learning.

Honor Code Statement: *The following statement is to be written on all assignments and assessments* **"This work is completely my own, and is neither the work of someone else, nor an unacknowledged, outside source. I will not share my work, or the contents of any assessment, with others."**

Learning Resources/Textbook(s): Glencoe Chemistry: Matter and Change

With the emergence of technology as a tool for learning, South Forsyth High School will be utilizing various resources to assist with instruction, including Its Learning, online textbooks, and interactive websites. Should you feel that your child would benefit from having a textbook at home it can be checked out from the Media Center.

Required Assignments: This course consists of eleven units. Within each unit students will be expected to complete assigned homework, quizzes, labs, and unit tests. A unit test will be given at the completion of each unit. Formative assessments will be turned in for each unit. Test dates will be announced and posted on the Its Learning planner several days in advance. Laboratory reports, homework, and homework quizzes are daily (formative) grades. Depending on the nature of projects, they will either be a formative or summative grade.

Unit 1 – Scientific Measurement and Calculations (Ch. 1, 2, 3)

Unit 2 – Atomic Structure (Ch. 4, 24)

Unit 3 – Electron Configuration and Periodicity (Ch. 5, 6)

Unit 4 – Nomenclature and Bonding (Ch. 7, 8)

Unit 5 – Chemical Reactions (Ch. 9, 19)

Unit 6 – Mole and Composition Calculations (Ch. 11)

Unit 7 – Stoichiometry (Ch. 11)

Unit 8 – Solutions (Ch. 14)/Acids and Bases (Ch. 18)

Unit 9 – Thermochemistry (Ch. 12, 15)

Unit 10 – Equilibrium (Ch. 17)

Unit 11 – Gas Laws (Ch. 13)

Formative Unit Grades: Homework will be assigned regularly for mastery of content, and may include lab analysis and conclusions, reading, worksheets, and problems from the book. At the end of each unit, students will be given a notebook assessment points checklist, including in-class and homework assignments from the unit. The notebooks 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.

Availability for Extra Help: I offer morning help sessions at 7:45-8:15am Thursday and during instructional focus. 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. Make up work is defined as work assigned during a student's absence, not work assigned prior to an absence. The student has five (5) school days upon returning to school to complete make-up work. 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.

Late Policy: Chemistry content is cumulative and falling behind will be detrimental to your success in this class. ***Work that is turned in late will lose 10 points per day, with a maximum score of 70 if it is turned in more than three days late. Late work will not be accepted after the summative unit assessment.***

Non-EOC Course Grading Calculation:

Course Average= 50% (First semester) + 50% (Second semester)

1ST & 2ND Semester Course Work = 75% Summative + 25% 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

Honors Chemistry is designed to prepare your student for AP/IB Chemistry. For this reason, this is a rigorous and fast paced course. It is imperative that your student complete assignments on time and seek help immediately if there is confusion. To adequately prepare your student for the higher-level chemistry courses the summative assessments are application based and require synthesis of content beyond memorization of information.

In order for your child to be successful in this course, they will need:

- A strong background in algebra skills
- A ***non-graphing*** calculator brought to school EVERY DAY.
- Composition Notebook/Spiral Bound Notebook
- Discipline to study for this course every night
- Organizational skills
- Critical thinking skills

In addition to the information on the safety, it is imperative that each student actively participates in lab exercises. While labs are group based, each student is responsible for collecting and analyzing their own data per the SFHS Honor Code. Failure to follow instructions or guidelines laid out in the safety contract provided could result in a zero for the lab grade.

Student Signature

Date

Parent Signature

Date

Parent Information Section

Preferred Phone Number

Preferred E-Mail

Preferred Method of Contact