Honors Chemistry Syllabus
Lambert High School 2020-2021

Dr. Tasha Young ,	Rm 2203	tyoung@forsyth.k12.ga.us	ext 412203
Mr. Richard Labocetta, EdS,	Rm 1210	rlabocetta@forsyth.k12.ga.us	ext 411210
Ms. Nicole McAllister, EdS,	Rm 1202	nmcallister@forsyth.k12.ga.us	ext 411202
Ms. Brittany Tigue, M. EdL,	Rm 1211	btigue@forsyth.k12.ga.us	ext 411211

Text: ***Glencoe Chemistry Matter and Change***

Suggested Supplies
- 3 ring binder
- Dedicated lab notebook
- **SCIENTIFIC CALCULATOR**
- Pencil, blue/black ink pen
- Paper

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. You have heard it said that it is dangerous to smoke while pumping gas into a car, but why is it dangerous? Have you seen how balloons shrivel up on cold days? Of course, you have, but why does it happen? Why does turning the electricity on for a light cause white light to be emitted, or why are the lights in Las Vegas super, bright colors and not white like the ones in this room? When it is really icy on the sidewalks, we put salt on them because it melts the ice, but how do we explain why this happens? By taking this chemistry class you will begin to understand and hopefully learn how to think about phenomena that we can easily take for granted. At the end of this course you will see how chemistry is the basis for all things that we can observe and for the processes that we cannot observe.

Office Hours/Extra Help
As the school year proceeds, we hope to offer consistent, in-person help times. At this time, all extra help must be scheduled by appointment and will most likely be virtual in nature through a platform like Google Meets or Microsoft Teams.

Course Evaluation
Course Average
50% (1st sem) + 50% (2nd sem)

1st and 2nd semester Course work
Summative (75%)*
Formative (25%)**
Midterm/Final – each will count as a summative grade with a weight of 2.

A = 90 – 100
B = 80 – 89
C = 70 – 79
Failing = Below 70

Standards
A complete description of the GSE standards are available online at https://www.georgiastandards.org/Georgia-Standards/Documents/Science-Chemistry-Georgia-Standards.pdf
- Modern atomic theory and periodic law
- Atomic bonding and the resulting effect on matter's properties
- Chemical composition in compounds and chemical reactions
- Factors that affect chemical reactions
- Kinetic Molecular Theory as a model for atomic and molecular motion in chemical and physical processes
- Solutions and the nature of acids and bases

What you can expect from us for each unit:
Unit Calendar – posted in itsLearning and on the itsLearning Planner. (note: because the unit is planned in advance, it is subject to change; changes will be announced in class)
Notes - posted in itsLearning. I do my very best to present the content in clear, understandable manner, where we will build on previous knowledge. Any notes will be re-posted with annotations after coverage. We may also utilize podcasts, or a similar resource, to supplement what we cover in class.
Lab – Labs are an integral part of any chemistry classroom. In order to participate in lab, you must return a safety contract signed by you and your parent and demonstrate mastery on a safety assignment in addition to following all safety rules.
Lab Assessment – You will have one summative laboratory assessment per semester. This will be an open note assessment and will cover all laboratory activities performed during the respective semester.
Quizzes – Give you an opportunity to see how well you know the material. You can expect one or two quizzes per unit and quizzes will count as formative grades.
Homework – Whenever a homework assignment is assigned, a due date will be provided. You will always have an ample amount of time to complete your homework. I recognize that you have other classes, however, time management skills are critical in this course as well as all of your other courses. Homework may or may not be collected for a grade and may be implemented using multiple formats. If applicable, homework may be counted as a formative grade.
Tests – will generally be composed of 2 parts, multiple choice and free response. The free response is mainly calculations/short answer. Review material will be provided before each test. For recovery, you will be given the opportunity to replace your lowest test of each semester with the midterm/final exam, should the midterm/final be higher with the submission of your completed exam study guide.
Projects: 1-2 projects per semester may be assigned. They may be formative or summative – depends on the nature of the project.
Recovery: For recovery, you will be given the opportunity to replace your lowest unit test of each semester with the midterm/final exam, should the midterm/final be higher with the submission of your completed exam study guide. In addition, the submission of the completed study guide will also allow for the lowest semester formative grade to be dropped.

What we expect from you for the course:
#1- Work assigned problems and review your notes **every night**. Being proactive will reduce the likelihood of feeling overwhelmed and falling behind.
#2 – Do work on time. ***Chemistry is cumulative and you will quickly get lost in the class if you do not keep up with the practice***. It is important to do your work **ON TIME**.
#3 – Attend help sessions as needed and never hesitate to ask when you need help. The day before the test is too late to truly get the help you need (see point #1!)
#4 – Always follow the safety rules and specific guidelines for each lab. Failure to do so will result in detention and possible loss of lab privileges.
#5 – Come to class **each day** ready to go. We will always have something to do (and you will know what it is because it is on the calendar)! This means on time, no phones, and be ready to learn. Failure to do so will result in consequences and will not allow you to work to your full potential.

Tardy Policy

A tardy is defined as not being inside the classroom when the bell rings. Consequences for tardiness will follow the steps below.
1st & 2nd offense = verbal warning
3rd offense = phone call to parents
4th offense = teacher detention
5th + offense = discipline referral

Behavior Correction Plan:

All students are expected to stay on task at all times. Respect, character, and honesty (including academic honesty) are essential to maintaining a productive and enjoyable classroom environment.
To provide the necessary discipline to facilitate your learning, the following disciplinary actions will be taken for each policy infraction:
1st offense – Verbal warning
2nd offense – Phone call to parents
3rd offense – Detention and phone call to parents
4th offense – Administrative Referral

Academic Integrity:

Academic integrity is the pursuit of scholarly activity in an honest and responsible manner. In the classroom, academic integrity involves a range of issues, including – but not limited to – cheating, plagiarism, and facilitating acts of academic dishonesty by others. Violations of academic integrity as outlined in the Forsyth County Schools Code of Conduct will be addressed according to the behavior correction plan above.

Guidelines for BYOT Use:

LHS teachers and students will work together to ensure the most productive learning environment in the classroom. Use of BYOT supports the use of technology devices as a tool in a student's education.
-Devices are to be "powered down" as the classroom teacher directs.
-Disregard of a directive by the classroom teacher to power down will be addressed by the behavior correction plan.
-Continued disregard of a directive by the classroom teacher to power down may be considered insubordination and will follow the steps in the behavior correction plan.
-During formative/summative assessments, devices will be powered down and put out of sight until all students in the classroom have completed the assessment and all materials have been collected by the teacher.

Make-Up 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 extended absences 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.

Missing Work Policy

As your teacher, I will hold you responsible for late work and missing assignments by labeling them as MISSING in Infinite Campus Gradebook and following the behavior correction plan. In an effort to create opportunities for all students to turn in late or missing assignments, LASSO will be available on Saturdays throughout each semester as well as Lunch and Learn support available daily. Per Lambert policy; summative assessments will not be given until all formative feedback is returned. Please understand that all grading will be conducted in a fair and reasonable manner. For example, it is unreasonable to expect a classroom full of students to complete a test without having an opportunity to review their quizzes. If the unit summative has been completed, the opportunity for completing formatives of that unit is over.

Course topics and tentative schedule

First Semester
Unit One – Safety, Matter & Measurement– Ch 1, 2
Unit Two – Atomic Structure & Nuclear Chemistry – Ch 4, 24
Unit Three – Electron Configuration – Ch 5
Unit Four – Periodicity – Ch 6
Unit Five - Nomenclature and Bonding – Ch 7, 8, 21
Unit Six – Chemical Reactions and Reaction Rates – Ch 9

Second Semester (order may change)
Unit Seven – Mole Calculations – Ch 10
Unit Eight – Stoichiometry – Ch 11
Unit Nine – Thermochemistry – Ch 12, 15
Unit Eleven – Solubility/Solutions – Ch 14
Unit Twelve - Acids/Bases/Salts & Equilibrium – Ch 16, 17, 18
Unit Thirteen – Gases – Chapter 13

Learning Resources/Textbook(s): All learning resources, both print and digital, are meant to support and enhance the student learning experience of this class. Below are the names of the textbooks and websites that will be used in this course. Some of the web-based resources require parent permission per federal regulations. Federal laws that guide parent permission requirements are as follows:

- **Children's Internet Protection Act (CIPA):** The school is required by CIPA to have technology measures and policies in place that protect students from harmful materials including those that are obscene and pornographic. Any harmful content contained within inappropriate sites will be blocked. http://fcc.gov/cgb/consumerfacts/cipa.html
- **Children's Online Privacy Protection Act (COPPA):** COPPA applies to commercial companies and limits their ability to collect personal information from children under 13years of age. No personal student information is collected for commercial purposes. https://www.ftc.gov/tips-advice/business-center/guidance/complying-coppa-frequently-asked-questions-0
- **Family Educational Rights and Privacy Act (FERPA):** FERPA protects the privacy of student education records and gives parents the right to review records. Under FERPA, schools may disclose directory information in certain circumstances. http://www2.ed.gov/policy/gen/guid/fpco/ferpa

Please review the resource list. Each website related to the curriculum resources is provided along with their privacy policies. Should you have any questions regarding these resources immediately contact the course teacher via email or phone.

Name of Resource*	Digital	Privacy Policy
Chemistry: Matter & Change - Glencoe (2008)	**Review Only - No Digital Access** On-level	Permissions
AP Chemistry - Cengage (2018)	Owl Access Advanced Placement	Permissions
Organic Chemistry - Cengage (2018)	Owl Access College Level	Permissions
OpenStax	Chemistry 2e (Honors)	Terms of Service
Georgia Virtual School	Chemistry On-level	http://www.gavirtuallearning.org/terms.aspx
Discovery Education	Classlink Access	Discovery Media Terms of Use
NewsELA Chemistry	Classlink Access CLEVER	NewsELA Privacy Policy
CK-12 FlexBook: Chemistry	Classlink Access CLEVER On-level	CK-12 Terms of Use
Chemistry: Matter & Change - Glencoe Solutions Workbook	It's Learning Access PDF	NA
Georgia Public Broadcasting Streaming Inquiry Labs	GPB Chemistry	GPB

**** The following resources are county approved. These resources may vary by school due to sequencing, pacing, curriculum design, and/or individual needs of students.***

Parent Initial for Approval **	Name of Resource	Website	Privacy Policy
	Flinn At-Home Lab Series	Flinn Scientific	https://www.flinnsci.com/about-us/privacy-policy/
	Chem Team Tutorial	www.chemteam.info	no permissions available
	Khan Academy Chemistry	https://www.khanacademy.org/science/chemistry	Privacy Policy
	The Flipped Chemistry Classroom for Mastery	YouTube	community guidelines
	NSTA Podcast for the Classroom	Blick on Flicks	Policy
	M.I.T. OpenCourseware	M.I.T. Science, Technology, & Society	Privacy Policy
	HHMI biointeractive	Classroom Resources	Ed Framework In Progress

***** The following resources are web-based resources that require parent permission. By signing the syllabus, the parent is approving these resources. Should you have any questions regarding any of these classroom resources, please contact your student's teacher via email.***

Safety Goggles
To reduce the possible spread COVID-19 by lab safety goggles, every lab will be equipped with a spray bottle of 70% isopropyl alcohol solution to sterilize goggles between each use. Students are welcome to bring their own goggles provided the goggles meet safety standards. They must be splash proof and have a Z87+ impact rating. The linked goggles should meet the safety guidelines required at most colleges as well. Safety glasses are not acceptable protection. Suitable goggles are linked below. An electronic copy of the syllabus can be accessed on Itslearning so that you can follow the links.
Flinnsci.com AP3306 or AP3309 for Fog Free.
Amazon.com - Green Safety Goggles

Labster
To support student learning, your instructor may use Labster.com to provide a safe laboratory experience. Labster.com will provide an online platform for students to simulate a laboratory experience. If your instructor chooses to utilize this platform, there is a requested lab fee of $8 to cover the fee for registration with the website. Please speak to your individual instructor if you have questions or concerns.

Dear Parents,

We are looking forward to working with your child this year. Chemistry is a fun, yet challenging class. It involves numerous types of calculations (which is why it is important for every student to have a **scientific calculator** in class, **everyday**) and everything in this course is cumulative. We cannot stress the importance of encouraging your child to come in for extra help if you notice they are struggling.

The fun part of chemistry usually involves the labs, which brings up another topic – safety. A copy of the safety contract is posted on ItsLearning, and we have reviewed the safety requirements in class. I ask that you please go through the "rules" with your child and then each of you sign the required signatures on the student/parent info sheet (google form – here is the link: **https://docs.google.com/forms/d/e/1FAIpQLSedH0Kf6qoxzB2cGyQjlK75l_JNp4UNfGx2HhFXd7h9lvjuFg/viewform?usp=sf_link**
We have a zero-tolerance policy for safety - if your child does not follow the safety rules, your child may lose laboratory privileges. This is for the protection of your child and the other students in the classroom. Please do not hesitate to contact us at any point during the semester if you have concerns.
Thank you!

Sincerely,

Tasha Young Richard Labocetta Nicole McAllister Brittany Tigue