

COURSE TITLE: **Honors Chemistry**

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Forsyth County Schools Course Syllabus 2020/2021

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.

Standards: Course Standards can be found at www.georgiastandards.org or you can post them on your webpage and/or offer a copy to parents. Students and parents must be made aware of how you will provide standards and how they can gain access to them.

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. Late work will be accepted but will have a penalty. 10 points will be deducted for one day, 20 points will be deducted for two days, and 30 points will be deducted for 3 or more days.

First Semester

Unit 1 – Scientific Measurement and Calculations

Unit 2 – Atomic Structure

Unit 3 – Electron Configuration and Periodicity

Unit 4 – Nomenclature and Bonding

Unit 5 – Chemical Reactions

Second Semester

Unit 6 – Mole and Composition Calculations

Unit 7 – Stoichiometry

Unit 8 – Solutions

Unit 9 – Thermochemistry

Unit 10 – Gas Laws

Unit 11 – Equilibrium/Acids and Bases

Availability for Extra Help: Most mornings from 7:45 am - 8:15 am take advantage of instructional flex on even block days.

Makeup Work: 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. The teacher has the discretion to grant a longer period to make up work, if there are extenuating circumstances.

Grading Calculations:

Non-EOC Course Average = 50% (1st Sem. Course Work) + 50% (2nd Sem. Course Work)

1st and 2nd Semester Course Work = 75% Summative + 25% Formative

Grading Policy:

A = 90 – 100

B = 80 – 89

C = 70 – 79

Failing = Below 70

Formative Assessments include, but are not limited to homework, class work, practice tests, rough drafts, and sections of projects/ research papers/presentations.

Summative Assessments include, but are not limited to unit tests, final projects, final essays, final research papers, and final presentations.

Initials _____ (every page initialed by parent)

Updated June 2020 dp

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 13 years of age. No personal student information is collected for commercial purposes. <http://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.gavirtualllearning.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
	FlipGrid	https://info.flipgrid.com/	https://legal.flipgrid.com/privacy.html
	Khan Academy Chemistry	https://www.khanacademy.org/science/chemistry	Privacy Policy

	Youtube (Tyler DeWitt, Crash Course, etc.)	YouTube	community guidelines
	USA Testprep	ClassLink Access CLEVER	Privacy Policy
	Nearpod	ClassLink Access CLEVER	Privacy Policy
	CK12	Classlink Access CLEVER On-level	CK-12 Terms of Use
	pHet	ClassLink Access CLEVER	Privacy Policy
	Physics Aviary	https://www.thephysicsaviary.com/	NA
	GimKit	https://www.gimkit.com/	Privacy Policy
	Wakelet	https://wakelet.com/	Privacy Policy
	Whiteboard.fi	https://whiteboard.fi/	Privacy Policy
	Microsoft Teams	Microsoft Teams - Use your forsythk12.org email	Privacy Policy
	Remind	https://www.remind.com/	Privacy Policy
	Wizer.me	https://app.wizer.me/	Privacy Policy

**** 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.**

I, _____, have read this course syllabus and approve of its contents. I agree to allow my student to use each of the classroom resources listed in the learning resource section. I will support my student following the classroom expectations outlined in this course syllabus. I agree that I am the person who is legally allowed to consent for my student whose name is listed below.

Student's Name (Print)

Parent's Name (Print)

Parent Signature

Date

Initials _____ (every page initialed by parent)

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