

## Forsyth County Schools Course Syllabus 2022/2023

COURSE TITLE: Chemistry

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**Course Description (GaDOE):** 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, characterization of the properties that describe solutions and the nature of acids and bases, 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*

<https://lor2.gadoe.org/qadoe/file/9ef97f6e-c64e-4772-ab02-ef511285b81f/1/Science-Chemistry-Georgia-Standards.pdf>

### Required Assignments:

This course consists of twelve units. Within each unit students will be expected to complete assigned classwork, 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 iLearning planner several days in advance. Laboratory reports, classwork, and classwork concept checks are daily (formative) grades. Depending on the nature of projects, they will either be a formative or summative grade.

**Availability for Extra Help:** Instructional Focus on Wednesday and Friday or most mornings from 7:45 - 8:15 am.

**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.

**Required Supplies:** For the most effective learning throughout the course, students will need a 3-ring binder with dividers for each unit. Students will be responsible for keeping their daily work and labs for use at the end of each unit. Students will also need a scientific (or graphing) calculator. I recommend a TI-30XS Multiview or similar model. Students do NOT need to purchase a graphing calculator specifically for this class but are welcome to use one if already owned.

### Grading Calculations:

#### Non-EOC Course Average:

50% (1<sup>st</sup> Sem. Course Work) + 50% (2<sup>nd</sup> Sem. Course Work)

1<sup>st</sup> and 2<sup>nd</sup> 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, labs, investigations, 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, formal lab reports, final research papers, and final presentations.*

**Learning Resources/Textbook(s):** All learning resources, both print and digital, are meant to support and enhance the student learning experience in 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. <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 its privacy policies. Should you have any questions regarding these resources, immediately contact the course teacher via email or phone.

Name of Resource*	Hard copy/Website	Privacy Policy
Glencoe <i>Chemistry: Matter &amp; Change</i>	Class set of textbooks	Not applicable
Explore Learning	Digital supplemental material (accessed via ClassLink)	<a href="https://www.explorelarning.com/index.cfm?method=Controller.dspPrivacy">https://www.explorelarning.com/index.cfm?method=Controller.dspPrivacy</a>
Newsela	Digital supplemental material (accessed via ClassLink)	<a href="https://newsela.com/about/privacy-policy/">https://newsela.com/about/privacy-policy/</a>

**\* 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	<a href="https://info.flipgrid.com/">https://info.flipgrid.com/</a>	<a href="https://legal.flipgrid.com/privacy.html">https://legal.flipgrid.com/privacy.html</a>
	Khan Academy Chemistry	<a href="https://www.khanacademy.com">khanacademy</a>	<a href="#">Privacy Policy</a>
	Youtube (Tyler DeWitt, Crash Course, etc.)	<a href="https://www.youtube.com">YouTube</a>	<a href="#">community guidelines</a>
	USA Testprep	<a href="https://www.usatestprep.com">USA Testprep</a>	<a href="#">Privacy Policy</a>
	Nearpod	<a href="https://www.nearpod.com">Nearpod</a>	<a href="#">Privacy Policy</a>
	PhET	<a href="https://phet.colorado.edu">PhET Simulations</a>	<a href="#">Privacy Policy</a>
	Physics Aviary	<a href="https://www.thephysicsaviary.com/">https://www.thephysicsaviary.com/</a>	NA
	Physics Classroom	<a href="https://www.physicsclassroom.com">www.physicsclassroom.com</a>	NA
	GimKit	<a href="https://www.gimkit.com/">https://www.gimkit.com/</a>	<a href="#">Privacy Policy</a>
	Microsoft Teams	<a href="#">Microsoft Teams - Use your forsythk12.org email</a>	<a href="#">Privacy Policy</a>
	Remind	<a href="https://www.remind.com/">https://www.remind.com/</a>	<a href="#">Privacy Policy</a>

**\*\* 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 in 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