

Forsyth County Schools Course Syllabus 2022/2023

COURSE TITLE: **AP Chemistry**

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Course Description: AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Students are expected to take the AP Chemistry exam in May. This course conforms to College Board topics for the Advanced Placement Chemistry Examination. This course requires a rigorous college level lab component and utilizes a college text. The prerequisite for this course as indicated by the College Board is successful completion of Chemistry.

Standards: Course Standards can be found at <https://apcentral.collegeboard.org/pdf/ap-chemistry-course-and-exam-description.pdf>

Required Assignments:

First Semester	Second Semester
<ul style="list-style-type: none"> ● Unit 1 - Atomic Structure & Properties ● Unit 2 - Molecular & Ionic Compound Structure & Properties ● Unit 3 - Intermolecular Forces and Properties ● Unit 4 - Chemical Reactions ● Unit 5 - Kinetics 	<ul style="list-style-type: none"> ● Unit 6 - Thermodynamics ● Unit 7 - Chemical Equilibrium & Solubility ● Unit 8 - Acids & Bases (2 tests) ● Unit 9 - Applications of Thermodynamics ● AP Practice Exam / Review

Summative	Formative
<ul style="list-style-type: none"> ● end of unit assessment ● lab ● midterm (fall) and final (spring) exams 	<ul style="list-style-type: none"> ● homework / classwork ● quizzes ● lab / project (as appropriate)

Availability for Extra Help: *mornings, 7:45-8:15 [subject to change with meetings]*

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.

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. <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>

Initials _____ (every page initialed by parent)

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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
Cengage	Digital platform for <i>Cengage AP Chemistry OWL</i> textbook, supplemental, and assessment material (accessed via ClassLink)	https://corporate.cengage.com/privacy/k12-notice/
Explore Learning	Digital supplemental material (accessed via ClassLink)	https://www.explorelearning.com/index.cfm?method=Controller.dspPrivacy
Newsela	Digital supplemental material (accessed via ClassLink)	https://newsela.com/about/privacy-policy/

*** The 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
	College board - AP Classroom	https://myap.collegeboard.org/login	https://privacy.collegeboard.org/?navId=qf-pp
	Flinn At-Home Lab Series	Flinn Scientific	https://www.flinnsci.com/about-us/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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