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AP Chemistry Syllabus South Forsyth High School 2013-2014 Mrs. Amanda Colavito, M,Ed. Room 494 770.781.2264 EXT 100494 acolavito@forsyth.k12.ga.us Text: Chemistry The Central Science [individually assigned]		 1 ½ inch 3 ring binder with dividers for each unit and chemical equations (12) Scientific Calculator Composition Notebook Highlighter, Pencil, blue/black ink, Paper; graph paper Student Lab Notebook (for purchase on mypaymentsplus.com) *webassign card (\$TBA) * 	
chemistry course usually taken during the year, second-year work in the chemistry a prerequisite. For other students, the AF AP Chemistry should meet the objectives of understanding of fundamentals and a development of the students' abilities to t course in general chemistry differs quality textbook used, the topics covered, the er	e first college year. For some stude sequence at their institution or to re Chemistry course fulfills the labor of a good college general chemist reasonable competence in dealing think clearly and to express their ide atively from the usual first secondat nphasis on chemical calculations a antitative differences appear in the of experiments done in the laborato		
This is the concept outline, given by college board. For a more detailed description, please see http://media.collegeboard.com/digitalServic es/pdf/ap/2013advances/AAP- ChemistryCED Effective Fall 2013.pdf I) Structure of Matter II) Properties of matter III) Reactions IV) Reaction Rates V) Thermodynamics VI) Equilibrium	subject to change; changes will b Notes - posted on ITS learning so present the content in clear, under knowledge. We may also utilize p in class. Lab – prelab (not accepted late) v lab. Safety is a primary concern a loss of lab privileges and a reduce will help to remind of this importan Quizzes – give you an opportunit the test if it is a higher grade; [form Book Problems – will be assigned immediate feedback ; [formative] Webassign – will give you the opp	arning and will tell you important dates (note: this may be e announced in class) b you can print and then fill-in as we go; I do my very best to rstandable manner, where we will build on previous odcasts, or a similar resource, to supplement what we cover will be due before the lab and postlabs will be due after the nd enforced. Not following the safety rules may result in ed lab grade. A safety contract, quiz, and section in each lab in aspect of lab! y to see how well you know the material; can be replaced by native] ed so you will be able to check answers in the back for portunity for calculation practice, with immediate feedback;	
semester) Midterm and Final Exam each count as 2 summative assessments. A:90-100;B:80-89;C:70-79;Fail<70 1 st and 2 nd semester Course work Summative (75%) - Unit Tests, labs Formative (25%) – homework; quizzes	Help Sessions – 7:45-8:15 most needed. A calendar with exact tim Tests – The tests are meant to pr parts and they will be timed. Part free response. The tests will alwa be provided before the test. For re missed points back by doing test	ed FRQ's will be assigned as appropriate mornings; review sessions will also be scheduled as nes will be available to sign-up in class. repare you for the AP Exam. They will be composed of two 1 will be non calculator multiple choice, and Part 2 will be ys have material from previous units. A review checklist will ecovery, you will be given the opportunity to earn ¼ of corrections. Test corrections must be done in the morning or	
 "Office Hours" A sign-up calendar will be posted every week in class. My schedule may change from week to week, so always check the class calendar. The following is a guideline. Monday - Wednesday 7:45 – 8:15 By Appointment Review Sessions - TBA 	What I expect from you f #1- Use the unit calendar to keep until the night before will not help overwhelmed and behind. #2 – Attend help sessions as nee before the test is too late to truly g #3 – Always follow the safety rule #4 – Come to class each day rea know what it is because it is on the	up with reading and book problems <u>every night</u> . Waiting you in this course and you will very quickly feel ded and never hesitate to ask when you need help. The day get the help you need (see point #1!) s and specific guidelines for each lab. dy to go. We will always have something to do (and you will	
student who is absent on the class day b the regularly scheduled day and time. S	efore a regularly scheduled assess tudents who have been absent mor	of the student when they are absent from school. A ment will be responsible for completing the assignment on e than two consecutive days (including the assessment per assignments. This does not include major projects.	

the regularly scheduled day and time. Students who have been absent more than two consecutive days (including the assessment day) 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.

General Course and Pacing Guide

**See course descriptive outline on the website for a more detailed representation of topics. **This is a tentative guide. Labs, number of days, and order of topics is all subject to change. You will be notified of changes.

Unit	tive guide. Labs, number of days, and order of topic Unit Topic	Days	Exam Date
<mark>1</mark>	Fundamentals Review	11	
	Ch 1: Matter and Measurement (Review)		Tuesday, August 27th
	Ch 2: Atoms Molecules and Ions (Review)		
	Ch 3: Stoichiometry: calculations (Review)	_	
	Ch 4: Aq Reactions & Solution		
-	Stoichiometry	10	
<mark>2</mark>	Atomic Structure	12	a t toth toth
	Ch 6: Electronic Structure of Atoms	-	September 18 th or 19 th
	Ch 7 : Periodic Properties of Elements	10	
<mark>3</mark>	Bonding and IMF	12	October 9 th or 10 th
	Ch 8: Basic Concepts of Bonding Ch 9: Molecular Geometry and Bonding	-	October 9 or 10
	Theories		
	Ch 11: Intermolecular Forces	-	
4	Gases & Solutions	11	
	Ch 10: Gases		October 30 th or 31 st
	Ch 4/13: Properties of Solutions		
5	Thermodynamics	20	
	Ch 5: Thermochemistry		December 11 th or 12 th
	Ch 19: Chemical Thermodynamics		
	Second Semester		
<mark>6</mark>	Kinetics	13	d. d.
	Ch 14: Chemical Kinetics		January 29 th or 30 th
<mark>7-9</mark>	Equilibrium	29	— c c c th
	Ch 15: Chemical Equilibrium	8	February 12 th or 13 th
	Ch 16: Acid- Base Equilibrium	14	March 12 th or 13 th
	Cl. 17. A service Exercitive service	7	March 12^{-1} or 13^{-1}
	Ch 17: Aqueous Equilibrium	/	March 26 th or 27 th
10	Electrochemistry	7	
	Ch 20: Electrohochemistry		April 16 th and 17 th
	Review	<mark>8</mark>	
<mark>11</mark>	Ch 25: Organic		
	FINALS		
	AP EXAM – Monday- May	5, AM EX	AM