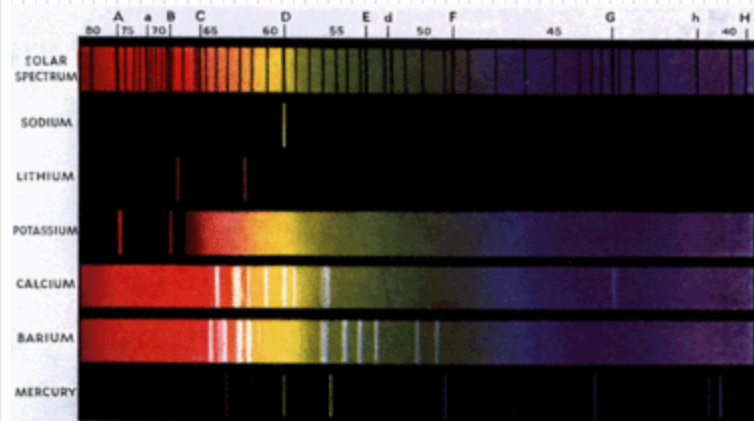
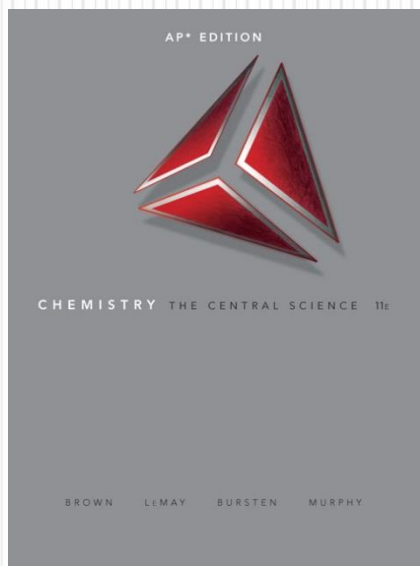




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SC304 AP Chemistry

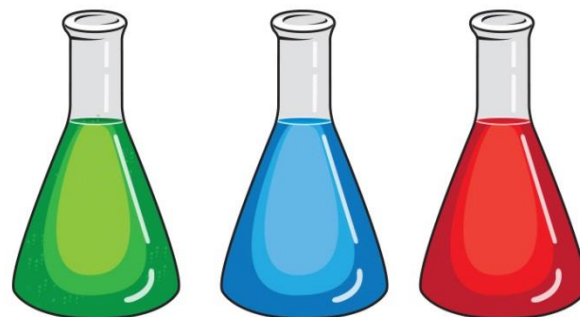
Mr. Kevin Conlon



AP Chemistry

Course Information:

1. Science Department
2. Year long course
3. Junior's only
4. Students who are currently enrolled in honors math & received a 75% on the pre-AP chemistry test.
5. Pre-requisites:
 1. Approval from biology teacher & honors math teacher
 2. **Successful completion of summer preparation project.**
Students will learn chapters 1 & 2 and then take a pre-AP chemistry test before the school year begins.



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AP Chemistry

- **AP Course**: Signing Up for this course requires you to take the AP exam in the Spring. Failure to do so, will forfeit your AP credit, and your weight on your transcript for the course.
- **M-block Requirement**: Students who take AP chemistry have to stay for all M-blocks until the AP chemistry exam in May.



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Periodic Table of the Elements © www.elementsdatabase.com

hydrogen		poor metals	
alkali metals		nonmetals	
alkali earth metals		noble gases	
transition metals		rare earth metals	

AP Chemistry



Course Description:

AP Chemistry is a study of the fundamental chemical concepts that would be presented in a typical college chemistry course. Material covered will include the modern view of atoms, stoichiometric relationships, modern atomic theory, chemical equations, periodicity, solutions, gases, liquids, and solids, thermochemistry, chemical bonding, chemical kinetics, chemical equilibrium, acid-base theory, and oxidation and reduction.

Students will use some inquiry in the lab to develop a better understanding of the concepts covered in class. Students will learn general topics through the use of POGIL (Process Oriented Guided Inquiry Learning). Students will watch MoeTube video's at home to help them learn chemistry concepts and in class will review these concepts, learn more concepts, work on problems and learn through the lab.



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AP Chemistry



Academic Requirements:

1. Students will spend 1 hour a night working on homework.
2. At least 16 labs will be completed.
3. Students should read each section of the book covered in class & watch MoeTube video's.
4. Spending around 7 hours a week studying is the time required to be successful in AP chemistry.



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AP Chemistry

- Why should the student take this course??
- AP Chemistry is the equivalent of a first year college level chemistry course. This course will be challenging, but will be a solid preparation for college. If a student is looking to major in science in college or knows he will take a general chemistry course in college or wants to challenge himself he should take this class.
- What will the student gain from the course??
- Students will see very little new content (if any) in a college level general chemistry course after having taken this class. Students will develop study skills to be successful in college.



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AP Chemistry



- Summer Preparation
- The summer preparation project will be given to students the week of sophomore exams in May.
- Students will watch MoeTube videos, read the book and complete problems in preparation for taking AP chemistry.
- Students will learn chapters 1 and 2 from Brown-Lemay 11th edition.
- Summer topics include: Classification of matter, properties of matter, dimensional analysis, significant figures, density, the atom, the periodic table, compound nomenclature & formula writing.



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AP Chemistry



- Summer Preparation
- 1 or 2 dates will be announced in May which students can come to school to ask questions regarding the summer project (possibly the end of July & the beginning of August).
- A date will be set in May when the pre-AP chemistry test will be administered (probably the first week of August – students who cannot make this date can schedule an alternate date).
- Students must score a 75% on the test to enter AP chemistry. If a student does not score this then he can take an alternate test before the school year begins to try to earn a 75%.
- Once a student is in AP chemistry, drops to CP1 are not allowed.



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