Ap Chemistry

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What is this course all about?

Course at a Glance

Plan

The Course at a Giance provides a useful visual organization of the AP Chemistry curricular components, including:

- Sequence of units, along with approximate weighting and suggested pacing.
 Please note, pacing is based on 45-minute class periods, meeting five days each weak for a full academic year.
- Progression of topics within each unit.
- Spiraling of the big ideas and science practices across units.

Teach

SCIENCE PRACTICES Science practices spiral throughout the course. Models and Madel Anelysis Representations Mathematical Quastien and Routines Merthod Argumentation E Representing Data and Phenomena BIG IDEAS Big ideas spirel acress lopics and units. Scale Propartien. ILTA Transformations and Quantity Energy Structure and Primerties

Assess

Assign the Personal Progress Checks—either as homework or in class—for each unit. Each Personal Progress Check contains formative multiplechoice and free-response questions. The feedback from the Personal Progress Checks shows students the areas where they need to focus.



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14-	-15	Class Periodo	11-15 [%] AP Ex Weigh	
•	8.1	Introduction to Acids and Bases		
ар 5	8.2	pH and pOH of Strong Acids and Bases		
AP 5	8.3	Weak Acid and Base Equilibria		
8 8	8.4	Acid-Base Reactions and Buffers		
8 P	8.5	Acid-Base Titrations		
4.P	8.6	Molecular Structure of Acids and Bases		
1.P 2	8.7	pH and pK		
AP	8.8	Properties of Buffers		
AP 5		Henderson-Hasselbalch Equation		
AP	8.10	Buffe	r Capacity	



Personal Progress Check 6

Multiple-choice: ~20 questions Free-response: 2 questions • Short-answer • Short-answer

Personal Progress Check 7

Multiple-choice: -30 questions Free-response: 2 questions • Short-answer • Long-answer

Personal Progress Check 8

Multiple-choice: ~30 questions Free-response: 1 question • Long-answer

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What does a typical Unit look like?

Types of assignments to get you ready for the test

Challenging to prepare you for the exam

- Ap Classroom daily videos
- Packet work/I do, We do, You do
- Personal Progress Checks
- Short Quizzes to check understanding
- MCQ and FRQ Tests each Unit

Packet/I do, we do, you do

- 1. These are an example of the types of notes and assignments that you will encounter
- 2. Expect about 30 mins-1 hour of homework
- 3. Typical class period, go over work, notes, time to do assignment

Laboratories

For every unit, we will do at least 1 Lab

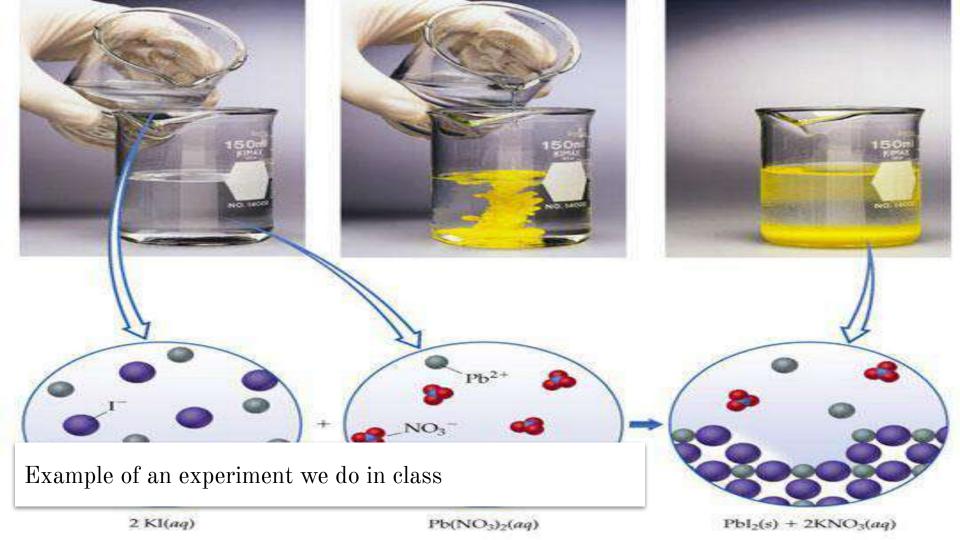
Students will keep a lab notebook

1) Helps keep the students organized and easy to access labs

Some questions on the AP exam require students to set up a lab, so being familiar with equipment is important

2) Some colleges ask for them

• In order to receive credit for the lab section at college (if you pass the test)



Why take the class?

- Interest in going into the medical field (need chemistry in college)
- Can potentially be worth 10 credits at the college level!
- Are interested in learning more about what we learned this year
- Interested in engineering (chemical engineering)

Success Stories and growing program

- Before I took over the program, more not many students and not many passes
- I took over the class in 2020 (distance learning year)
- Class of 7 students and 4 of them passed (3 4's and 1 3)
- Grew the class to 12 this year!
- Let's keep the growth going next year!