

Advanced Placement Chemistry Course Syllabus

Lemon Bay High School

Andrea Green

2021-2022

Room 02-111

Textbook: *Chemistry: A Molecular Approach* by Nivaldo J. Tro

Course Description

This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This course is structured around the four big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the six science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry and who wish to take part in a rigorous and academically challenging course. The AP Chemistry science practices and big ideas are listed below. Please see the last page of this syllabus for a detailed list of unit titles and topics.

Science Practices: Models and Presentations, Question & Methods, Representing Data & Phenomenon, Model Analysis, Mathematical Routines, and Argumentation.

Big Ideas: Scale, Proportion, & Quantity (SPQ), Structure & Properties (SAP), Transformation (TRA), and Energy (ENE).

****The AP Chemistry EXAM will be administered Monday, May 2, 2022 at 12:00 p.m.****

How will grades be earned?

- Activities 30%
 - Classwork (Activities, Lab, & Projects) and Homework
- Assessment 70%
 - Quizzes and Tests (M/C and FRQ)

What supplies will be needed?

- 1" or 1.5" Three Ring Binder
- Pencils
- Colored Pencils & Sharpener
- Calculator
- Earbuds or Headphones Compatible with School Issued Chromebook

Class Environment & Expectations

- Our classroom will be a MUTUALLY RESPECTFUL ENVIRONMENT.
- Attendance is IMPORTANT! In order to be a successful learner, your presence in class is essential.
- Maintain appropriate social distancing when possible.
- Face coverings/masks are highly recommended.
- 20/10 Rule in effect.
- Remain seated until dismissed.

Course Instructional Format

We will be using a combination of in person direct instruction and virtual instruction. Instruction will be organized in and facilitated through Canvas. We will be using AP Classroom (<https://myap.collegeboard.org/login>), Edpuzzle Website (<https://edpuzzle.com/home>), Pearson Textbook Mastering Chemistry Website (<https://www.pearsonmylabandmastering.com/northamerica/masteringchemistry/>), and Explore Learning Gizmo online simulations (<https://www.explorelarning.com/>).

Course Communication Format

As we work through this school year, open lines of communication will be imperative. Remind will be the primary means of communication between home and school for BOTH students and parents. Instructions for joining our Remind group are in the table below.

AP Chemistry Class Period	Remind Join Option Instructions
Period	Text @khkkd776cf to 81010 for text notifications, OR Open smartphone web browser, go to rmd.at/khkkd776cf to download mobile app on your device.

Saturday Laboratory Sessions

According to the AP Chemistry Course Audit, students are expected to devote a minimum of 25% of instructional time to lab investigations (including at least 16 hands-on lab investigations to support the learning objectives in the course framework). Due to the nature of these labs, completion requires significantly more time than the 50 minute class periods. These sessions are meant to reinforce classroom content and are designed to correspond to each unit. Please plan to attend the following Saturday Laboratory Sessions throughout the school year. In addition, there will be two opportunities to complete an AP Chemistry MOCK Exam. Those dates are listed below as well.

- Unit 1: August 21, 2021
- Unit 2: September 18, 2021
- Unit 3: October 16, 2021
- Unit 4: November 13, 2022
- Unit 5: January 8, 2022
- Unit 6: January 29, 2022
- Unit 7: February 26, 2022
- Unit 8: March 26, 2022
- AP Chem Mock/Practice Exam 1: April 9, 2022
- AP Chem Mock/Practice Exam 2: April 23, 2022