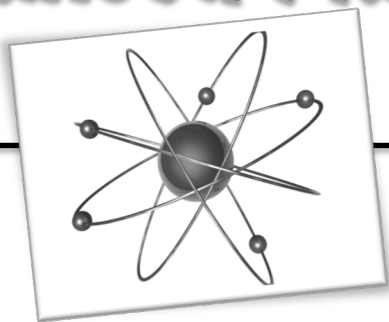


Advanced Placement Chemistry

Miss Zuraw



Elizabeth Forward Senior High School

You are required to keep a copy of this syllabus in your Honors Chemistry binder throughout the school year for your reference. You may find an additional copy on the class website/e-Backpack.

Miss Zuraw's Contact Information:

If at any time you feel you need extra help or have any questions at all, please feel free to see me to make arrangements for additional practice as soon as possible. I am available in the morning before class or after school until 3:00pm (or by appointment).

- High School Classroom: Room #208 (class) AND Room #201 (lab)
- Email Address: szuraw@efsd.net
- Phone: (412)-896-2349 (high school office)

Honors Chemistry eBackpack and Class Website:

- Class Website: www.efhsapchemistry.weebly.com

Throughout the course of the school year, the AP Chemistry class website and e-Backpack will be consistently utilized for the posting of all daily agendas, question of the days, laboratory safety and report information, supplemental chemistry resources, Power Point and video notes, and all other chapter materials (notes, labs, worksheets, activities, links, etc.). Students will be required to visit this website and eBackpack regularly for assignments and updates. If students are absent, especially for an extended period of time, they are responsible for visiting this site for the daily agenda, question of the day, and assignments/materials. Students may visit this website and eBackpack via computer, iPad, or mobile device.

Remind 101 Class Text Message Reminders:

Students and Parents/Guardians are invited and encouraged to sign-up to receive text message updates about daily homework, assignments, quizzes, tests, labs, and class agendas.

- To receive messages via text, text **@208efhs** to **81010**. You can opt-out of messages anytime by replying "unsubscribe @warrior01".
- Or to receive messages via email, send an email to **208efhs@mail.remind.com**. To unsubscribe, reply with "unsubscribe" in the subject line.

Miss Zuraw is on Twitter!:

Follow **@miss_zuraw** on Twitter!

- Classroom and Laboratory Photos
- Important Updates and Reminders
- & More!

Course Description:

The AP Chemistry course is designed to be the equivalent of a first year general chemistry college course. The course is structured around the six big ideas described in the AP Chemistry Curriculum Framework. The class meets seven periods per week with three single period sessions and two double period sessions (a total of approximately 300 minutes per week). In order to enroll in this course, students must have taken and passed a first year chemistry course with a grade of "B" or higher.

Classroom Rules and Procedures:

1. Please do not speak while I am teaching or another student is asking a question or giving an answer. RESPECT! OPPORTUNITY TO LEARN FOR ALL!
2. For your safety, please do not bring food or drinks into the chemistry lab. Unless we are working on a lab assignment, no students are to be in the laboratory area. When working in the laboratory, always follow proper safety procedures.
3. Each day when you arrive, you are to be seated quietly in your assigned seat with your binder, iPad, and pencil/pen ready for class.
 - a. There will be a **Question of the Day and Daily Agenda** on the board each day as you enter the classroom. As soon as you enter, please begin answering the question of the day and recording the daily homework and reminders.
 - b. Be sure your homework assignments are visibly out on your desk.
 - c. A seat is assigned to you the first day of class. If your seat needs to be changed for any reason, please feel free to see me and we will adjust.
4. Hall passes will ONLY be issued with an agenda book/teacher signed pass and only during seatwork or before the late bell/at the end of the class period.
5. Please do not use cell phones or other electronic devices in the classroom unless directed to do so for educational purposes only. I will take any cell phones and electronic devices that are being used without permission during my class period. If a cell phone is taken, the student must return to pick it up at the end of the school day. After 2 infractions of this rule, the student will receive a detention.
 - a. Throughout the course of the school year, you will have many opportunities to make use of your iPad in class (online simulations, video notes, picture lab reports, e-Backpack, web quests, practice sets, etc.), however ALL student iPads are to be either placed under student seats or facedown when not being used for the purposes of this class.

BRAVE EXPECTATIONS – Classroom Edition

Be Safe	Respect Others	Accountable	Victorious	Enthusiastic
<ul style="list-style-type: none"> • Listen to staff • Maintain personal space 	<ul style="list-style-type: none"> • Be on time • Be polite • Use appropriate language and tone 	<ul style="list-style-type: none"> • Be prepared • Be honest • Do your own work • Use electronic devices only when permitted 	<ul style="list-style-type: none"> • Do your best work • Celebrate academic success 	<ul style="list-style-type: none"> • Have a positive attitude • Take ownership of learning

Attendance and Make-up Work:

- When in school you are expected to be in chemistry class before the bell rings.
 - If you are late to class, you will be marked as tardy and will be given a warning.
 - 3 tardy marks per 9-weeks grading period = You will be given a final warning
 - Each tardy after the initial 3 per 9-weeks grading period = You will be assigned an after school detention
- If you are absent from class:
 - Always be sure to check the class website and e-Backpack for all daily information.
 - Be sure to copy the daily question of the day, homework and reminders, and notes from the class website.
 - Turn in homework that was due the day you were absent.
 - Be sure to retrieve any missed handouts/work from your period's make-up folder.
- *You will have the same number of days you were absent to complete any assignment that was assigned while you were out of class. If you fail to make-up your work within this time period, you will receive an automatic permanent 0% for those assignments missing.
 - Check the "missing quizzes/tests" wall upon your return to school.
 - Please note that it is NOT my responsibility to remind you to pick up your missed work or to turn in an assignment. This is your responsibility!***

- Please note that YOU are responsible for checking the class website and e-Backpack for any and all missed work during your time of absence.***

Academic Integrity Clause:

The Elizabeth Forward High School Science Department has a strong focus on ACADEMIC INTEGRITY. Through this course, you are expected to hold the same. Academic misconduct is any attempt by a student to gain an academic advantage, or to help others do so, through dishonest actions. All work is expected to be your own. Any suspicion of academic misconduct will be reported to the office and will result in a failing grade for the assignment/assessment.

<ul style="list-style-type: none"> • Try! Listen! Think! 	<ul style="list-style-type: none"> • Use your iPad and phone for educational purposes only. 	<ul style="list-style-type: none"> • Be prepared for class each day. 	<ul style="list-style-type: none"> • Follow all instructions given by your teacher.
<ul style="list-style-type: none"> • Be safe in the lab - Follow proper safety procedures in the laboratory. 	<ul style="list-style-type: none"> • Do not cheat - Cheating is unacceptable. 	<ul style="list-style-type: none"> • Avoid giving up or getting off-task. 	<ul style="list-style-type: none"> • Do not cause damage - Be respectful of school property.

Chemistry Course Materials:

- You will need the following items for class each day:
 - **Lab Goggles/Safety Glasses:** You may purchase these inexpensively from any hardware store and your teacher MUST approve them before beginning the school year's first lab. Ensure your name is printed on your goggles/glasses.
 - **Binder (at least 1-inch), Notebook Paper, and Lab Notebook:** Your daily log and any paper copies of notes and handouts should be neatly organized in this folder. You will only receive one daily log for your homework/reminders and question of the day per grading quarter.
 - *While many worksheets and activities will be completed using the class website and/or e-Backpack, it is also REQUIRED that all paper materials are also kept neatly organized as well.*
 - Remember, this course is designed to help you prepare for a college level chemistry course. It is required that you keep ALL class materials throughout the school year, and is highly recommended that you keep this coursework for your reference in any future chemistry courses.
 - **Textbook:** Chemistry: The Central Science; Brown, Theodore et.al. (9th edition)
 - **Homework:** Assigned problems, worksheets, and lab reports will be given when deemed necessary and are due promptly at the beginning of the next class. NO LATE WORK WILL BE ACCEPTED unless absent (See Grading Policies)! Every assignment not turned in when I ask, will not be accepted and will turn into a zero. Please do not ask to go to your locker to retrieve your homework; this should already be in the classroom with you.
 - **School District Issued iPad*** YOU MUST HAVE THIS WITH YOU (& charged) DAILY!!!**
 - You will be required to have your iPad charged and ready each class period for use of eBackpack and other teacher chosen Apps.
 - Be aware that you are required to download specific Apple Apps and online materials throughout this course. Your i-Pad MUST have enough space to utilize these features. I will give you the names of these apps during the school year as we begin their usage.
 - **Pencil/Pen and iPad stylus**
 - **Headphones/Ear buds**
 - **Scientific Calculator**
- These items listed above (and a calculator) are the ONLY items to be on your desk during class time. All purses, backpacks, magazines, books for other classes, etc. must remain neatly under your desk.
 - *i-Pads are to be kept face down on your desks/lab stations when not being used for class relevant work.*

Grading Policies:

- **Grade Determination**
 - Please refer to the school district's grading scale in your student handbooks.
 - Grades will be averaged using a point system. Each project, test, homework, assignment, etc. will be worth a certain number of points. At the end of each 9-weeks grading period, the points you have earned will be compared with the total number of points possible to give you your grade.
 - $(\text{earned points}/\text{possible points}) \times 100 = \text{your percentage grade}$
 - Please check your grade online regularly. All grades are promptly recorded in the electronic grade book, many times within one day of assignment collection. If you notice an error in the grade book, please let me know so that I can double-check your score.

- **Testing**
 - I will list the material that the test will cover and the date the test will be given as much as 1 (one) week before the test.
 - Students are to take the test on the given date. If you are absent for any reason on the test date, you are expected to make arrangements with me to make up the assessment during a study hall or after school. The assessment must be made up within one week of the time it was given in class, otherwise, resulting in a permanent zero in the grade book.
 - Any student caught cheating will receive a zero. There are multiple versions of each test. There will be no talking or wandering eyes during the test. I will inspect the desks before and after each test to ensure that no information is written on the desks.
 - You will have assigned testing seats.
 - Tests will be given at the end of each chapter.

- **Quizzes**
 - If announced, the material that the quiz will cover and the date the quiz will be given on will be listed on the board as much as 1 (one) week before. Quizzes will be given throughout the year to test students on small portions of the chapter and to check student understanding of the topic.
 - I reserve the right to give a pop quiz. These will generally be based on your understanding of the material that you read or that we discussed in class.

- **Homework**
 - Homework will be assigned regularly, and checked at random. Students are expected to have homework completed every day and ready when they come to class.
 - Homework points will vary based on complexity and length of the assignment. Some assignments may be checked for completion and others for correctness at the discretion of the teacher.
 - On many occasions, students will complete an Evaluation Quiz to ensure the correct completion of the homework assignment.
 - Students can lose points by failing to bring class materials (book, binder, pencil, calculator, etc.)

- **Laboratories**
 - If you are absent on a lab day, you are expected to make arrangements with me to make up the lab during a study hall or after school. The lab must be made up within one week of the time the lab was completed in class and then you will have one week to complete the lab report or you will receive a zero for the lab.
 - It is your responsibility to remember to turn in your make-up lab report. Late lab reports will NEVER be given full credit. The grade on any lab report will be reduced by one letter grade for each day it is turned in late.

- **Daily Calendar – Daily Agenda and Question of the Day:** There will be a Question of the Day and Daily Agenda on the board each day as you enter the classroom (also on the class website).

As soon as you enter, please begin answering the question of the day and recording the daily homework and reminders.

- You will receive only 1 (one) daily log packet per grading quarter. Please be sure this is kept safely in your binder/folder/eBackpack.
- At the close of each grading period, students will be given a Question of the Day Quiz to ensure student responsibility in the areas of organization and completion. Students will use both their daily log to complete this quiz.
- If you are absent any day of the week, be sure you copy the daily calendar from the class website.
- **Other Assignments/Projects**
 - All assignments are to be prepared individually unless otherwise stated. This means that I will not accept work that is copied verbatim from another student.

Course Goals and Tentative Schedule:

According to the AP Chemistry Curriculum Framework, the AP Chemistry course should focus “on a model of instruction which promotes enduring, conceptual understandings and the content that supports them. This approach enables students to spend less time on factual recall and more time on inquiry-based learning of essential concepts, and helps them develop reasoning skills necessary to engage in the science practices used throughout their study of AP Chemistry.” Therefore I have adopted the following goals for this course:

- The student will display a deep and enduring understanding of the theoretical concepts of chemistry such as atomic theory, atomic structure, chemical bonding, nuclear chemistry, states of matter, solutions, chemical reactions, stoichiometry, equilibrium, kinetics, and thermodynamics.
- The student will develop their logical reasoning and problem solving skills and increase their ability to apply mathematics to physical science
- The student will participate in inquiry based laboratory experiments that enable them to collect, analyze, and properly communicate scientific data
- The student will gain the background necessary to score well on the AP exam and take additional courses in science throughout their educational career.

LABORATORY

- Each student is required to complete a laboratory report for each experiment carried out throughout the school year. Each lab report will consist of the following: Purpose, Procedure, Data, Data Analysis, Error Analysis and Conclusions. Upon completion the laboratory reports are graded and kept in a portfolio for the students to present to the college of their choice. are expected to read the experimental procedures, answer the preliminary lab questions, organize their laboratory notebook, and have data tables planned before coming into the lab.
- After the lab students will use their data to complete any calculations and post – lab questions before turning in their lab report. In order to receive full credit for the lab the student must actively participate in the lab, complete all necessary data tables, correctly carry out all calculations, and thoughtfully answer all post – lab questions.
- Laboratory experiments are a collection of labs that have been gathered from various resources over my time as a chemistry teacher.
- List of Laboratory Experiments TBD (Students are engaged in hands-on laboratory work, integrated throughout the course, which accounts for 25 percent of the course.)