

Welcome to AP Chemistry!

Chemistry is the central science – a statement so true it is the name of our book. I think AP Chemistry is the most exciting elective you can take. It also tends to feel like the hardest – but that is really a matter of timing versus content. Anyway, some preparation would be a good thing.

Everything we learned this year will be assumed knowledge next year – you must know it well.

- Ch1&2 – measurements, unit conversions, sig figs
- Ch3&4 – matter, energy, physical and chemical changes, atom basics
- Ch5&6 – naming, molar mass, % composition, empirical & molecular formulas
- Ch7 – reactions, solubility rules, NIEs, molarity
- Ch8&13 – stoichiometry, solutions, molarity
- Ch9&10 – atomic & molecular structure, the magnificence of the periodic table
- Ch11&12 – gases, liquids, solids, & IMFs
- Ch14 – intro to pH, acids & bases, titration

To help you prepare, you have a homework assignment due on the second day of school, **Tuesday, August 11, by 7:50am**. It is on WebAssign, our homework site. You will need a credit card to pay the subscription cost for the year. After you have registered, you will complete the assignment named “Summer Homework 2026.” We will use questions that correspond to the OpenStax Chemistry book. In WA, you will find links to helpful sections in that book along with tutorials.

Go to: <https://www.getenrolled.com/?courseKey=stmarysschool.tn09967112>

The course key is: stmarysschool.tn09967112

Our Schoology page will be ready by **Monday, August 3** (*maybe earlier*).

Below is our textbook information. I can also give you names of current students selling books.

- **Chemistry: The Central Science, 12th edition by Brown et al.**
- **ISBN: 9780132175081** (AP or college edition works)

Used books are just fine and should be pretty affordable at this point. You could buy two if you wanted one copy for home and one copy for school. If you buy new, I believe you get access to an online version of the book.

I will be available most of the summer via email if you have questions.

I am glad you are here, and I look forward to an amazing year with you!

Hope summer is amazing.

See you in August!