

# Welcome to AP Chemistry!

Hello Everyone!

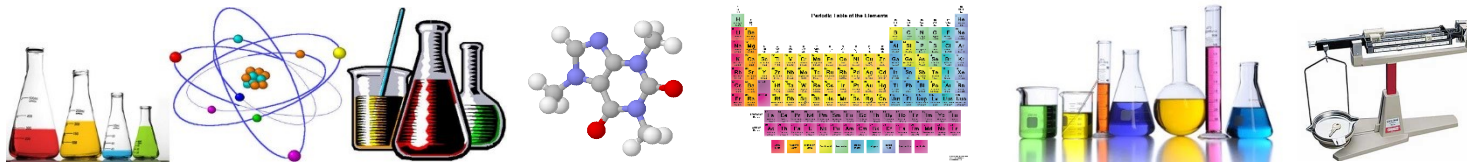
I am so excited that you have decided to challenge yourself next year by taking AP Chemistry! AP Chemistry is an extremely rigorous course that will help prepare you to take college level chemistry, and with a qualifying score on the exam, you may be able to place out of introductory level chemistry in college. Because AP Chemistry is so challenging, it is important that you spend this summer reviewing topics you have learned in honors chemistry, and in your algebra classes. On the back of this page is the summer assignment required for this course. This summer assignment will be 10% of your first quarter grade. There will be a test on this material within the first week of class, and you will be expected to use this material throughout the course. Please take this summer assignment extremely seriously. This assignment cannot be completed the night before the due date. You need to pace yourself throughout the summer in order to complete it. The individual time it will take you to complete will vary greatly among students. Students with a strong honors chemistry and algebra 2 background will be able to finish it faster than students who do not have strong backgrounds. Please take this into account when you are planning your summer work. The recommended schedule for the summer assignment can be seen below. Feel free to schedule your summer assignment as needed, but these guidelines will ensure enough time to complete it before school starts without stress. This summer, we have an excellent opportunity to have an AP chemistry summer boot camp. Most students do not learn independently as well as they do with a teacher. I strongly recommend that you take advantage of my help over the summer. If you attend certain boot camp days, you will be exempted from certain sections of your summer assignment! The boot camp is not required, but strongly recommended. I hope you have a fantastic summer, and do not hesitate to email me if you have any questions about AP chemistry or the summer assignment. My email is [mitschh@pcsb.org](mailto:mitschh@pcsb.org).

Sincerely,  
Ms. Mitsch

Suggested Summer Assignment Schedule	
Part:	Complete by:
1	June 15
2	June 29
3	July 27
4	August 3

Make sure to give your email address to Ms. Mitsch before leaving for summer! You can email me at [mitschh@pcsb.org](mailto:mitschh@pcsb.org) or drop off the attached info sheet to room 4-319

Boca Ciega High School AP Boot Camp Opportunities				
Teacher:	Room :	AP Subject:	Date Available:	Time(s) Available:
Mr. Baker	4-339	French Language	7/31	12pm-3pm
Ms. Benoit	1-107	Art 3D Studio	8/1	12pm-3pm
Mr. Bidwell	4-327	Physics I	7/31	8am-11am
Ms. Cabo	4-337	Spanish Literature	7/31	12pm-3pm
Ms. Cooper	4-106	English Literature	7/30	8am-11am and 12pm-3pm
Ms. Darbois	1-066	Human Geography	8/1	8am-11am and 12pm-3pm
Dr. Denmon	1-057	Capstone Research	7/30	8am-11am and 12pm-3pm
Mr. Durspek	4-229	US History	8/1	8am-11am and 12pm-3pm
Ms. Durspek	4-212	Government and Politics	8/1	8am-11am
Mr. Forche	1-052	World History	8/1	8am-11am and 12pm-3pm
Ms. Fuss	1-072	Capstone Seminar	7/30	8am-11am and 12pm-3pm
Ms. Goode	4-301	Computer Science	7/30	12pm-3pm
Ms. Iovino	4-123	Environmental Science	7/31	8am-11am and 12pm-3pm
Dr. Isaac	1-064	Human Geography	8/1	8am-11am and 12pm-3pm
Mr. Lynch	1-055	Calculus BC	7/30	8am-11am
Mr. Lynch	1-055	Calculus AB	7/30	12pm-3pm
Ms. Mitsch	4-319	Chemistry	7/17,	8am-11am
Ms. Mitsch	4-319	Chemistry	7/31	8am-11am and 12pm-3pm
Ms. Obremski	4-116	English Language	7/30	8am-11am and 12pm-3pm
Mr. Olis	1-104	Art 2D Studio	8/1	12pm-3pm
Ms. O'Brien	1-034	English Language	7/30	8am-11am and 12pm-3pm
Mr. Rivera	3-008	Music Theory	8/1	12pm-3pm
Mr. Sullivan	1-105	Art History	8/1	8am-11am
Mr. Sullivan	1-105	Art 2D Studio	8/1	12pm-3pm
Ms. Vandewalle	4-231	Psychology	8/1	8am-11am and 12pm-3pm
Mr. Vigoa	4-239	Spanish Language	7/31	12pm-3pm
Ms. Weeks	4-323	Biology	7/31	8am-11am and 12pm-3pm



# AP Chemistry Summer Assignment: Due August 13 or 14

## Part 1: Algebra 1 and 2 Review

### Option 1: Khan Academy Math Assignment

- Go to <https://www.khanacademy.org/> and create a student account by clicking “sign up” and following the prompts. (You can skip this step if you already have a Khan Academy account.)
- Log in to your account and click on “coaches”
- Under “Join a class” enter the class code: **A5ABMC**
- Complete all the assignments.

### Option 2: Come to math boot camp on 7/17

- **Date:** July 17th (We will be covering other information on the other boot camp days!)
- **Time:** 8-11 am
- **Location:** Boca Ciega High School Room 4-319
- **Topics:** Exponents, logs, square roots, cube roots, scientific notation

## Part 2: Nomenclature Review

### Option 1: Nomenclature Powerpoint or Review Guide

- Go to: <http://msmitschchemistry.weebly.com/ap-chemistry-summer-assignment.html>
- Download part 2 instructions and skeleton powerpoint or review guide
- Watch videos listed to review critical content.
- Follow fill in skeleton examples or follow instructions to make your own powerpoint or review guide. Remember to include explanations where applicable.

### Option 2: Come to Nomenclature boot camp on 7/18

- **Date:** July 18th (We will be covering other information on the other boot camp days!)
- **Time:** 8-11 am
- **Location:** Boca Ciega High School Room 4-319
- **Topics:** Naming and writing formulas for ionic compounds containing polyatomics and transitions, covalent compounds, and acids

## Part 3: Stoichiometry Review

### Option 1: Design a Demo

- Go to: <http://msmitschchemistry.weebly.com/ap-chemistry-summer-assignment.html>
- Download part 3 instructions and example report
- Watch videos listed to review critical content.
- Make a poster or report detailing your demonstration of a cool chemical reaction by showing stoichiometry needed to determine the limiting reactant and quantities of products produced. Don't forget explanations for each step!

### Option 2: Come to Stoichiometry boot camp on 7/31

- **Date:** July 31st (We will be covering other information on the other boot camp days!)
- **Time:** 8-11 am OR 12-3 pm
- **Location:** Boca Ciega High School Room 4-319
- **Topics:** Molar mass, mole conversions, mole ratio, gram to gram stoichiometry, limiting reactants

## Part 4: Class Policies Review

- Go to <http://msmitschchemistry.weebly.com/ap-chemistry.html>
- Review the syllabus and lab safety rules.
- You must get 100% on the lab safety quiz in order to do lab!

## Extra Credit

- Want extra credit? You can earn up to 15 points extra credit if you complete the “option 1” portion of the summer assignment AND come to the boot camp day. You will receive 5 points extra credit for each additional boot camp day you attend.

**Turn this paper into Ms. Mitsch in room 4-319 by Wednesday, April 18th for candy! :)**

Name \_\_\_\_\_ Email \_\_\_\_\_

Why did you decide to take AP chemistry next year?

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Do you have any questions or concerns about the course?

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Ms. Mitsch will send you boot camp reminder emails and helpful information over the summer!

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