

# Chemistry in the Community (ChemCom)

2021-22 School Year

**Instructor:** Mr. Dangerfield

**Classroom:** D206

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## **COURSE DESCRIPTION**

ChemCom® is a chemistry curriculum written for secondary school students by the American Chemical Society (ACS). It attempts to enhance science literacy by emphasizing chemistry's impact on society. ChemCom uses less math but is NOT "chemistry light." Students will be expected to complete homework, use their math skills, and learn the core chemistry content expected of a high school Chemistry student. It is the long-term goal of the curriculum to present to the students the need and the skills to acquire technical knowledge to make intelligent decisions for themselves and for the communities in which they belong.

## **BOOKS AND MATERIALS**

- ChemCom, American Chemical Society, 6<sup>th</sup> Edition, W. H. Freeman & Co., 2012
- Notebook (Composition book)
- Scientific Calculator (one with exponent function keys. Texas Instruments TI30XA is recommended)
- Pack of colored Pencils
- Highlighter pen
- Pencil
- Blue or black ink pen

## **COURSE OUTLINE**

- Unit 0: Getting to know Chem Com
- Unit 1: Materials
- Unit 2: Nuclear Reactions
- Unit 3: Air
- Unit 4: Chemical Reactions
- Unit 5: Energy
- Unit 6: Water
- Unit 7: Food

### CODE OF CONDUCT

Students are expected to show Respect, Resourcefulness, and Responsibility at all times. The use of electronic devices for educational purposes during instructional time will be at the sole discretion of the classroom teacher. Failure to follow the directives of the classroom teacher or staff member will result in disciplinary action. Cell phones must be kept on vibrate or silent. Using a cell phone during a test will be considered cheating.

### SEMESTER GRADE CATEGORIES:

The semester grade is a combination of the following:

- Classroom Assignments, Projects and Labs (formative)
- Quizzes, tests and Semester Finals: 30% (summative)

### GRADING SCALE

**A** 100-90%

**B** 89-80%

**C** 79-70%

**D** 69-60%

**F** below 60%

Parent/guardian will be notified if a student is in danger of failing. If you are within 1% of the next letter grade up you will get the higher grade (ex. 69.3% would get bumped up to 70% on report card or progress report- that's the difference between having a D+ but getting a C- on your report card).

### GRADING EXPECTATIONS

- **Late Work**- Late work will be accepted for half credit during each unit. However, you are allowed **two free late assignments per semester**. After those two, it's half off. No unit late work is accepted once a week has passed after each unit. Turning in an assignment without a name automatically turns it into late work, as I will have to verify later on with you if it is indeed your work.
- **Make-up Work** - You are responsible for the material covered from an absence. The time you have to make up the missed work directly correlates to the number of days you missed. Check the weekly assignments on the class pacing plan and Google Classroom for make-up work. You are responsible for coming in outside of class to make up any missed labs/tests. Missed tests should be made up within a week.
- **Academic Integrity** – Students are expected to do their own work at all times. Cell phones out or talking during a unit test or final will result in a score of zero.
- **Extra Credit** – Extra credit opportunities for students will be given at the discretion of the teacher and communicated to students. Extra credit is not intended to replace assignments and/or assessments but rather to encourage students to take advantage of additional opportunities to learn.

**MIDDLE YEARS PROGRAM (MYP)- This only applies to the CECA class:** Students will now also receive a “MYP score.”

The Middle Years Program has four criteria for science. All four criteria will be assessed in a variety of different methods at least once per semester. The MYP score will be based off of a rubric score of 0-8 and will be reported on Infinite Campus including a final MYP score of 0-8 that has been converted from their grade percentage.

**Criterion A:** Knowing & Understanding

**Criterion B:** Inquiring & Designing

**Criterion C:** Processing & Evaluating

**Criterion D:** Reflecting on the Impacts of Science

**ATTENDANCE**

Daily attendance is expected and required for successful completion of this course. The tardy and absence policy will be followed and enforced. Excessive tardies will result in an SST meeting initiated by me as I want you to succeed and much of success is just showing up on time.

\_\_\_\_\_  
**Student Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Parent Signature**

\_\_\_\_\_  
**Date**