

Chemistry in the Community
Ms. Jackie Gartner
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Course Overview

Designed for a year-long high school chemistry course geared for college-bound students, ChemCom covers traditional chemistry topics with coverage organized around societal issues with less emphasis on mathematics. With this program, students learn organic and biochemistry as well as environmental and industrial chemistry. The text is 50% laboratory-based. *ChemCom* features decision-making activities to give students practice in applying their chemistry knowledge in various problem-solving situations..

Units

By the end of this class, you will be able to:

- Classify matter based on its physical and chemical properties
- Explain atomic structure
- Use the periodic table as a reference tool
- Write chemical formulas and use proper naming techniques for chemicals
- Classify chemical reactions to predict the products and quantities of the products
- Apply knowledge of molecular structure to predict properties and uses of chemical
- Classify and explain properties and uses of acids and bases
- Explore organic chemistry to connect to biochemistry and biology
- Overarching objective - to use chemistry to explain everyday life experiences

Logistics:

- Assignments for the day will be posted around 7:30 am each school day on Google Classroom
- We will be paperless
- Assignments for the day will be due by 7:00 am the next school day by submitting through Google Classroom
- Parents - I highly recommend that you get your child's username and password from them to check google classroom if you want to see their upcoming assignments.
- Office hours from: 7:30-8:00 am and 2:45-3:15; or message me though Google classroom or email to schedule

Teacher Bio

I have been teaching since 1996 and have been at Jenkintown School District since 1998. Prior to that I worked as an Environmental Chemist. I have a BS in Chemistry, an MBA in Business Management, and Certification in Secondary Science from Saint Joseph's University. I also have an MS in Educational Leadership from Arcadia University. I also attended a Vo-tech high school and majored in animal science which forever influenced my view of education, their motto was "Learning to Do, Doing to Learn", and I believe hands-on education is the only way to truly learn. I am certified in Chemistry, General Science, Physics, Environmental Education, and Principal. My personal interests include science (of course!), tinkering with crafts and our STEM equipment in the MakerSpace, love of nature and the outdoors, reading, and animals. I have 3 dogs, 2 cats, and 2 parrots.

📧 Course Communication	
Class Announcements	Announcements will be posted on Google Classroom
Email/Personal Messages	<p>You can use Google Classroom to private message me or email me at gartnerj@jtowndrakes.org. Please do not put your requests in a google doc assignment since that does not alert me on my phone and the other ways will.</p> <p>When writing a message, please follow the expectations below:</p> <ul style="list-style-type: none">• Include your name, the class name, subject of the message• Be specific about what you need. <p><u>Note:</u> do not wait until the last minute to send a message if you need help.</p>

💬 Participation Policy

You are expected to participate in each class period. If you are virtual for any reason you must attend the Google Meet to participate and complete the class assignments and discussions.

Required Materials, Text, and Online Accounts

You will need the following for this course:

- Chromebook (charged!)
- Earbuds or headphones
- Scientific calculator
- Folder, loose leaf paper, pens or pencils
- Online accounts to Quizlet, Classmarker, ExploreLearning, and Edpuzzle (all using your jtowndrakes google email), there may be more.

Grading Policy

Grading:

Grading will be a points based system. In general tests are 100 pts, quizlet quizzes are 20 points, daily classwork is 5 points, projects are 10-20, labs are usually 15-20 pts depending on number of questions.

Late Work

Work cannot be submitted late unless you have asked for an extension before the due date.

If you have an excused absence then however many days you were excused is how long you have to make it up (eg if you had a 1 day excused absence then you get 1 day to make it up), though with all assignments being posted on Google Classroom I encourage you to do it as soon as you are up to it, many students come back with the work already done.

Homework:

Homework will be to complete the daily Google Classroom assignment, with occasional other homework assignments.

Tests:

Tests are always announced at least two days in advance. Students absent the day before a test will still be expected to take that test with the class. If a student is absent on a test day, it is expected that the test will be taken upon the student's return. Students who do not achieve a 70% or better on any major test will be provided one opportunity to retest on the same material. Students with late or missing work will not be given the opportunity to retest. The maximum grade possible for retest is 70%.

Student Code of Conduct

1. Be respectful of each other and of the teacher, both in person and online
2. Be prepared for class
3. Be in the room when the bell rings and logged into Google Classroom at the beginning of the period
4. Follow directions the first time they are given. (ask for clarification if you need to)
5. Complete all assignments on time.
6. Maintain academic honesty: don't plagiarize or cheat on tests or quizzes or copy homework or assignments
7. Leave food and beverages outside the classroom.
8. Keep an organized notebook or folder on your google drive
9. Goggles (provided) are required to be worn for each lab we do.

Attendance Policy

You must be in class at the beginning of the period for attendance. If you are late to class you need a note from the office or a teacher. If you are absent you need to contact the office to make it an excused absence, then make up the work posted on Google Classroom. The number of days that you had an excused absence is the number of days you have to make up the work. Unexcused absences will be graded as a 0.

Signatures: