

## Chemistry I CP 2018/19 Syllabus

Mrs. Olivia Kalescky

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### Classroom Outcome

Chemistry I CP is a semester long science course that will focus on the following basic chemistry concepts: measurements, matter, atomic theory, periodic law, electron configuration, chemical bonding, chemical nomenclature, stoichiometry, gas laws, solutions, and acid/base chemistry. The successful **completion of Algebra I** is a must for this course. Problem solving and analysis of laboratory work are key components to chemistry. Classroom information will be presented on information outlined in the Tennessee State Objectives as well as the Knox County School Objectives for Chemistry I. Subject matter will be presented through lectures, class discussions and labs. Homework assignments and quizzes will be used to reinforce the subject matter.

### Instruction and Pacing

Chemistry I			
	Standards	Textbook Page Numbers	Approximate Time (out of 80 days, % in parenthesis)
Module 0: Measurement and Lab Safety		Ch.1, p22-26; Ch 3 p60-91	5 (6.25%)
Module 1: The Atom	CHEM1.PS1.11, CHEM1.PS1.10, CHEM1.PS1.9, CHEM1.PS4.1	Ch 4, 100-125; Ch 25 p874-905	7 (8.75%)
Module 2: Periodic Table and Quantum Mechanics	CHEM1.PS1.12	Ch 5-6, p126-191	6 (7.5%)
Module 3: Bonding and Nomenclature	CHEM1.PS1.13, CHEM1.PS2.1, CHEM1.PS1.14	Ch 7-9, p192-303	11 (13.75%)
Module 4: Equations and Mole Concept	CHEM1.PS1.2, CHEM1.PS1.4, CHEM1.PS1.1	Ch 10-11, p 304-381	6 (7.5%)
Module 5: Stoichiometry	CHEM1.PS1.3	Ch 12 p382-417	9 (11.25%)
Module 6: Energy	CHEM1.PS3.1, CHEM1.PS3.2, CHEM1.PS3.3, CHEM1.PS3.4	Ch 17 p554-591; Ch 13 p 418-447	10 (12.5%)
Module 7: Gas Laws	CHEM1.PS1.5, CHEM1.PS1.6,	Ch 14, p448-485	9 (11.25%)
Module 8: Solutions	CHEM1.PS1.7, CHEM1.PS2.3, CHEM1.PS2.4, CHEM1.PS1.15	Ch 15-16, p 486-553	10 (12.5%)
Module 9: Acids and Bases	CHEM1.PS1.8	Ch 19 p 644-689	7 (8.75%)

### Materials needed for class

1. 3-ring binder (2 inch) with 10-12 dividers (YOU MUST HAVE THIS! IT IS FOR A GRADE)
2. signed safety contract
3. Pencils, pens and highlighters
4. loose-leaf notebook paper or actual notebook

### Chemistry Fee

Chemistry I CP class fee is **\$15 for the semester**. This money is used to purchase lab supplies like chemicals, replacement glassware, or other consumables used to perform activities performed throughout the semester. Please make the checks to GIBBS HIGH SCHOOL and include student name in the memo section.

### Resources

- Textbook: Pearson, *Chemistry*. 2017. The replacement price of the text is **\$101.47**. These textbooks are brand new so I would suggest putting a cover on it.
- Videos: Discovery Education, United Streaming, Nova: Hunting the Elements, Cosmos: A Spacetime Odyssey, Lab Safety Video, The Power of the Periodic Table, Chemistry, Bill Nye, and other school approved videos
- All videos and articles that are used have academic value and are approved for academic use.
- If you do not approve of a specific resource or assignment listed in this syllabus, please make your request to me in writing and an alternative assignment and/or material will be provided.

### Safety Procedures

Chemistry is a laboratory based class, however, it should be noted that lab is a privilege and will be treated as such. The labs we will perform will greatly enhance the understanding of the material being presented in class. A detailed explanation of safe lab practices and clothing will be given both through a safety video and lecture. You will be expected to sign and return a lab safety contract as well as take a lab safety test in order to participate. **Failure to dress appropriately for lab will result in an essay assignment to make up for the missed lab or a zero for the lab if it happens more than once.** Sitting out for improper attire is done to make sure that you and others are safe in the lab.

### Assessment

Students will be assessed on the learning standards and associated skill found in the curriculum and used in the classroom. The standards can be found on the Knox County Schools website.

#### Grading Policy:

- Grades are calculated using a point system. Every point earned in this class is equal to each other. **THEY ALL MATTER!!** It would be a good idea for you to keep a record of your grades in the front of your binder. You can calculate your grade by using the following formula: points you earned on assignment divided by points possible on assignment X 100. This also would apply to the class totals of points you have earned throughout the semester over total possible.
- The school grading scale is:
  - A = 93-100
  - B = 85-92
  - C = 75-84
  - D = 70-74
  - F = below a 70
- Daily grades come from the following
  - In-Class work/Homework - is given to reinforce and assess your learning of the standards and skills being taught in the class. It is important to keep up and complete all assignments! A final exam will be given at the end of the semester and is worth **15% of your grade**
    - In-class work/Homework is to be completed in pencil with all work shown for math problems or appropriate labels for graphs and diagrams.
    - In-class Work/Homework is to be neat and legible. **If I can't read it, I can't grade it.**
    - In-class Work/Homework is to be turned in to the appropriate spot as designated by teacher **BEFORE** class begins. (otherwise it is late)
    - Late work will **lose 10 points each day** it is late.
    - In-class Work/Homework points will range from 5 - 100 points per assignment.
  - **Labs** are a reinforcement of standards and skills being taught. Chemistry is a hands on science. In order to perform the lab you must be present and dressed appropriately and prepared. If you miss a lab, you will **not** have a chance to make it up. Labs and their reports are worth 100 points.

- Quizzes are worth 20 - 70 points.
- Tests are worth 80-200 points.
- Projects may be assigned throughout the semester and be worth anywhere from 50-200 points.
- Bell Ringers- daily participation grade
- Binders and binder checks
- Make-up work is **YOUR** responsibility to request and return within 3 days of returning to school from your absence. After 3 days the work will count as a late assignment up to the day of the unit exam. Tests and quizzes must be made up within a week of the absence. Students are expected to be prepared to participate in all previously assigned classroom activities, including tests and quizzes on the day he/she returns to class.
- Grades will be updated on Aspen at least once per week

### General Expectations

- **Attendance is of utmost importance to learning chemistry.** Labs and some videos or other activities cannot be made up. Students will not be penalized by losing points but will be responsible for getting material missed.
- Classroom rules
  1. **Be on time to class.** When the bell rings, you should have already turned in your homework (if assigned) and be in your seat with your Bell ringers out.  
\*\*\*\***Go to the restroom and do any errands during class change. Bathroom passes are for emergencies only. Excessive bathroom usage will result in a phone call home and after class detention/lunch detention.**
  2. **Be respectful** of your classmates and teacher. I do not expect negative comments about classmates or your teacher(s).
  3. **Participate in class!** Be an active member of discussions and group work. You are an important part of our class.
  4. **Cell phones** **Cell phones and other devices off and out of sight for entire period unless otherwise instructed by teacher. There is a new extra credit opportunity available this year. Upon entering the classroom, students can turn off their phones and place them in the assigned cell phone holder for the entire period. I will take a picture once the tardy bell rings to see whose phones are present. Students who turn in their phones will earn 1 bonus point per class period. I will keep track of this and put the bonus points in every 2 weeks. I do not tolerate texting, etc**

during my class! Cell phones are a distraction that prevents the student from paying attention and learning the material. Attached to this syllabus is an article that was on WATE citing research about how cell phones lower student grades.

- i. If a student refuses to put their phone up and is caught using it during class,
    1. 1st offense: cell phone is kept by teacher until the end of class and parents are called
    2. 2nd offense and further. Cell phone will be sent to the office at the end of class and student will be written up.
  - ii. Students caught using a phone during a test/quiz for whatever reason will receive a zero with no chance of a re-take.
5. **NO food or drinks** (other than water) in the classroom. Classrooms are not cafeterias or break areas. All food needs to be consumed prior to coming into the classroom. Failure to do so will result in disciplinary actions.
  6. **DO NOT interfere with any person's right to learn** - talking, acting a clown, or disrupting class is not going to be tolerated at all. You will be moved away from the group or to the office depending on the severity of your actions.
  7. Listen and follow instructions the first time please.
  8. **Respect my classroom and property.** Do not write or carve on desks. Pick up all trash and throw away in trash cans. Leave the room like it was before you entered.
  9. **Follow all lab safety rules.** All members are responsible for cleaning up and being active members of the lab group. Failure to clean up after labs/activities will result in a suspension of such activities. It is not your teacher's job to clean up your messes!
  10. Do your own work. You will not learn by copying. It is your responsibility to do your own work and learn the material. Cheating will not be tolerated and will result in zeros!
  11. Remain seated until dismissed by the teacher.
- Failure to follow class rules will result in disciplinary actions as defined in the Student Handbook.
  - **Plagiarism** - According to Harbrace Handbook, 15th ed. "Plagiarism is defined as presenting someone else's research, or opinion as your own without proper

documentation, even if it has been rephrased. It includes, but is not limited to the following:

- Copying verbatim all or part of another's written work;
- Using phrases, figures, or illustrations without citing the source;
- Paraphrasing ideas, conclusions, or research without citing the source;
- Using all or part of a literary plot, poem, or film without attributing the work to its creator."

Plagiarism is a form of stealing and academic fraud. Students who are found guilty of plagiarism will face consequences of a zero for the assignment. Parents will be informed of the plagiarism.

- **Honor Code** - Students are expected to complete their own assignments and assessments. Also, they are expected to not share their answers or assignments with other students. If students are caught cheating, disciplinary actions will be taken. Zeros will be assigned.
- Results of not following class rules:
  1. Verbal Warning
  2. Conference with student to discuss how to "fix" problem.
  3. phone conference with parents.
  4. Office referral.
  5. Steps can be skipped or altered depending on the severity of the offense or for cell phones.
- **Communication Strategy**
  - Please contact me with any questions or concerns about your student.
  - Office Hours - contact me for a time to meet
  - Appointments can be made during this time or before or after school.
  - Email : [olivia.kalescky@knoxschools.org](mailto:olivia.kalescky@knoxschools.org)

- **Intervention Strategy**

If your need extra help all you have to do is ask :). I am available before or after school to answer your questions or provide extra tutoring time with a topic you are having trouble with. Please don't wait, it is better to clear up problems as soon as they arise. Just ask and we will work out a time. I will be setting up a schedule with tutoring days and times during the first week of class. Remember the Flying J tutoring center is also open on Thursdays after school.

Please return the following to Mrs. Kalescky's Chemistry I CP Class.

I have read and understand the class expectations of Mrs. Kalescky's Chemistry Class, especially the cell phone policy.

Student Name : \_\_\_\_\_(Printed)

Student Signature & Date: \_\_\_\_\_

**Parent information:**

What is the best time, email and phone number to contact you if necessary?

Time \_\_\_\_\_

Phone Number \_\_\_\_\_

Email \_\_\_\_\_

I have read and understand the class expectations of Mrs. Kalescky's Chemistry Class, especially the cell phone policy.

Parent/Guardian Signature & Date; \_\_\_\_\_

**\*\*By signing this I realize that this class requires a 3 ring binder and 10 dividers as a part of my grade and I will have these items within one week of class starting. Please see me if you have any questions or concerns with this\*\***