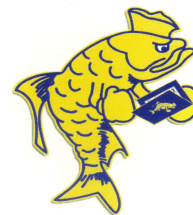




Charlotte High School Chemistry Honors 2024 – 2025



Instructor: Mr. Mario D. Iorfida

Room: G217

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Course Description:

- Chemistry is the study of matter and its interactions.
- During this course, we will study the composition, properties, interactions, and changes associated with matter.
- Chemistry Honors is a course suitable for students who display a high level of competency in the sciences and desire to continue their education beyond high school.

Course Content:

- Chemistry Honors course content is based on the requirements set forth by the Florida Department of Education.
- Specific information for this course can be found at <http://www.cpalms.org/Public/PreviewCourse/Preview/4380>
- The content of the course is separated into content units as follows:
 - Unit 1A: Measurement in Chemistry
 - Unit 1B: Matter
 - Unit 2: Atoms and Atomic Theory
 - Unit 3: Electronic Configurations
 - Unit 4: Periodicity and Periodic Trends
 - Unit 5: Chemical Bonding and Intermolecular Forces
 - Unit 6: Inorganic Compounds and Nomenclature
 - Unit 7: Chemical Reactions
 - Unit 8: Stoichiometry
 - Unit 9: Gases
 - Unit 10: Kinetics
 - Unit 11: Thermochemistry
 - Unit 12: Equilibrium
 - Unit 13: Acids & Bases
 - Unit 14: Electrochemistry

Classroom Policies and Attendance:

- The class will be administered using Canvas.
 - Students are responsible for notes, handouts, labs, and other materials posted on Canvas.
 - All assignments will be submitted using Canvas.
 - No handwritten assignments will be accepted. If an assignment is done on paper, it should be uploaded into Canvas.
 - Assignments in Canvas will have a due date and close at the end of the unit. Any unsubmitted assignments cannot be completed after this happens, so if you are absent or miss an assignment keep this important restriction in mind!
 - Grades will be posted using Focus. Even though Canvas does track grades, Focus is the official grading program for Charlotte County Public Schools. The grade in Focus is your grade for the course.
- Homework is due on the assigned date given. **Late homework will be penalized and may not be accepted.** (See Canvas restriction above!)
- Please be in the classroom, on time and prepared to begin class. Students should be seated and ready to work when the bell rings. There will be assignments that you will have to begin when class starts.
- Any student involved in dishonest activities in tests or other assigned activities will receive a grade of zero (0) for that assignment.
- Questions and discussions help facilitate the learning process; class participation is highly encouraged.
- If you are absent, it is up to the student to find out what was discussed that day. The instructor can help clarify anything that you do not understand. Remember, all notes are available on Canvas!
- The student is responsible for all assignments or homework given during class - check the Canvas calendar for anything you missed.
- The make-up policy for work missed due to absence follows the Code of Student Conduct of Charlotte County Public Schools.
 - Students are eligible to make up classwork and homework due to absences.
 - Students are allowed two days for each day absent to make up work.
 - There is no academic penalty unless the work is not made up in the allowable time frame in which case an academic penalty or a zero may be assigned for the work missed.
 - Exams, quizzes, and labs should be rescheduled with the instructor as soon as possible. (Again, refer to the Canvas restriction above!)
- No food or drink in the classroom (bottled water is allowed).
- Cell phones are prohibited unless they pertain directly to the assignment.
- Lateness to class without a pass is not acceptable. To be considered on time for class, you must be inside the classroom **BEFORE** the late bell rings – **NO EXCEPTIONS!**
- Display a high level of responsibility. As part of an advanced science class, you are expected to display responsibility for your work, any missing work (tests, quizzes, homework, etc.), and actions in the classroom. The instructor will not be responsible for missing or unfinished assignments and will not ‘chase’ students for such. It is up to the

students to be responsible for all requirements. Consult the calendar on Canvas to stay informed about what is happening in class!

Required Materials:

- Chromebook (provided by CHS)
- Writing utensils (pen, pencils, highlighters, etc.)
- Loose-leaf paper/notebook (bound or composition) for in-class practice work
- Scientific calculator (Cell phone calculator is not permitted)
- Earbuds or headphones for use with Chromebook

Grading:

- The grading scale, which conforms to school policy, is as follows:
A: 90 – 100 B: 80 – 89 C: 70 – 79 D: 60 – 69 F: < 60
- The student grade each quarter is based on total points earned in the following areas:
 - **Unit Tests:** Administered after each unit.
 - **Quizzes:** Quizzes are to ensure understanding of topics within a unit.
 - **Laboratory:** Experimentation and lab reports as assigned.
 - **Homework:** Maybe collected for a grade or checked for completion.
 - **In-class work:** Any work done during class time.
- The semester grades (1 and 2) for the course will be calculated following the policy set forth by Charlotte County Public Schools, which is as follows: 35% quarter, 35% quarter, and 30% standards-based exam given at the end of each semester.
- Students are encouraged to check FOCUS frequently to monitor their progress.

Textbook:

- Hsu, Fieldhouse, Pugliese, and Loschiavo, **Essential Chemistry**. Roseville, CA: PASCO Scientific, 2018. (Available in Classlink – look for the icon.)

Topic Outline:

Content Description	Textbook Chapters*
Unit 1: Matter and Measurement	1, 2, 3, 4, and 11
Unit 2: Atoms and Atomic Theory	9
Unit 3: Electronic Configurations	9
Unit 4: Periodicity and Periodic Trends	5 and 9
Unit 5: Inorganic Compounds and Nomenclature	5
Unit 6: Chemical Reactions	7, 13, and 17
Unit 7: Stoichiometry	6 and 8
Unit 8: Chemical Bonding and Intermolecular Forces	5 and 10
Unit 9: Gases	12
Unit 10: Kinetics	14
Unit 11: Thermochemistry	11
Unit 12: Equilibrium	15
Unit 13: Acids & Bases	16

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* Chapter References are for Essential Chemistry, 2018.

Notes:

- Chemistry is a very demanding subject and will require that the student reviews the material that is covered.
- The standing assignment is always to review what has been covered in class, even if no homework is assigned.
- If you find that you are having trouble in class, do not hesitate to ask the instructor for assistance.