



Thomas County Central High School Chemistry Syllabus

4686 U.S. Hwy 84 Bypass
Thomasville, GA 31792

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Mrs. Michele McCorkle
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Materials:

Pen or pencil

Three ring binder

Chromebook or personal laptop

Calculator with scientific functions (may be the same as your math class)

Color pencils and color markers will be used in projects, but are not required.

Textbook is Pearson: Chemistry. \$128.71. Students are responsible for books that they check out. They will be given an Indebtedness notice if not returned by the end of the year, which will need to be cleared to be able to walk at the graduation ceremony.

Course Description: Chemistry is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. This course provides students with an understanding of chemical principles and skills that are needed for college. The study of chemistry includes laboratory investigation, problem solving activities, textbook study, lecture, and class discussion. Students will complete a long term science project that will count as multiple test and project grades for each nine week grading period. Students are also required to read outside articles as part of the Common Core Reading standards for science.

Prerequisites: Successful completion of Biology and CCGPS Coordinate Algebra; recommendation of science teacher.

Rules:

- Be on Time.
- Be courteous to others
- Follow all written and oral directions
- Respect others and their property.
- Obey all of the TCCHS handbook rules.

Tutoring: I provide tutoring to all of my students before or after school by appointment only. Tutoring is available in the afternoon until 3:30. Students may stay longer in the afternoons only with prior notice and with transportation arrangements made in advance. It is important for students to master the concept before the day of the test and I would recommend students to come to tutoring if they are unable to complete a quiz or daily practice problem without the help of others.

Grading:	Benchmark	20%
	Tests	40%
	Daily	15%
	Labs	25%
		100%

Students will receive a final grade based on their two semester grades averaging together. There will not be any retakes on tests or other assignments. All students will be required to participate in a science fair project or an exploravision project. This major project will count for multiple grades throughout the year. All students will also have outside reading selections for chemistry to cover the Common Core Literacy standards. Any major outside project or assignment that is turned late will have a reduction of the final grade by ten points each day that the student fails to turn in the assignment. A failure to turn in a major project could result in a failing grade for the nine weeks and possibly the year.

Labs: All students are required to sign a lab safety contract at the beginning of the year. Please look for this in the first day materials. Labs are performed in group settings and as individuals. If the student doesn't turn in a paper as an individual or if the group doesn't turn in a paper a Missing grade will be given until the paper is turned in. Students who are absent on the day of a lab may be given a different assignment over the same standards to be completed at home.

Daily: Students may have homework assignments or classroom assignments that must be turned in at the beginning of class on the date that it is due. Students who are absent on the day of a quiz will have a Missing grade in the computer and will be replaced by the student's final test grade for that unit. If a student has taken all of the quizzes I will replace the lowest quiz grade with their test grade if it is higher than the lowest quiz grade.

Tests: Tests are designed with multiple choice questions, constructed responses and word problems that will help prepare your student for the four benchmark exams. If your student is absent on the day of the test, he or she can make an appointment to take the test before school, during class, or after school. If the student chooses to take the test during class, he or she will be responsible for the notes and assignments during that class period for homework. Cheating on a test by communicating with a student physically in the class or outside of the class electronically will result in a zero for the test grade.

Unit Title	Standards	Nine Weeks	Time Frame
1-Matter & Measurement		1 st	2-3 weeks
2-The Atom	SC1a-d	1 st	2-3 weeks
3-Electrons in Atoms	SC1e, g	1 st	2-3 weeks
4-The Periodic Law	SC1f	2 nd	2 weeks
5-Chemical Bonding	SC2a-e	2 nd	3 weeks
6-Chemical Equations & Reactions	SC3a & b	2 nd	3 weeks
7-The Mole	SC3c	2 nd /3 rd	2-3 weeks
8-Stoichiometry	SC3d & e	3 rd	3 weeks
9-Reaction Rates & Equilibrium	SC4a-d	3 rd	3 weeks
10-Kinetic Theory & Thermochemistry	SC5a & b	3 rd /4 th	2 weeks
11-Gases	SC5c	4 rd	2 weeks
12-Solutions	SC6a-e	4 th	2 weeks
13-Acids & Bases	SC6f-h	4 th	2 weeks

Project Information

All work must have prior approval. Work will not be graded for projects that have not been approved.

Exploravision Group of 2-4 www.exploravision.org	Science or Engineering Project Individual or Pairs http://www.societyforscience.org/ise/	Due date & assignment
Create and explore a vision of future technology by combining imagination with the tools of science. See above website for more information.	Design and conduct an experiment to answer a question or solve a problem. Engineering projects set a goal and build a prototype. See above website for more information.	
TOPIC Select group and identify topic. Write a paragraph explaining your topic (the technology, the problem it could solve and a short explanation). DESIGN PROCESS Explain three other topics you initially thought about. Explain why you decided to focus on your topic instead of the other ones. FUTURE This is the most important part of the Exploravision paper. Describe your vision for your project. Use original drawings whenever possible.	TOPIC AND PURPOSE Work individually. Describe topic and briefly explain why you chose this topic MATERIALS Make a list of ALL the equipment and materials that you will need to complete your project at home METHODS Describe the procedure that you will follow in order to test your topic.	August 27 ^h Lab Grade (no other work will be accepted until the topic has been approved)
HISTORY, PRESENT, & BIBLIOGRAPHY. Follow formatting guidelines given to you. You will resubmit these sections, be sure to save your work electronically. This should be written in proper MLA or APA format and include a bibliography. SUBMITTED through TURNITIN	BACKGROUND RESEARCH & BIBLIOGRAPHY Write a summary of background research relating to your topic and design your experiment. Introduce your paper with the purpose, question, and hypothesis. This should be written in proper MLA or APA format and include a bibliography. SUBMITTED through TURNITIN	Friday, September 10 (Rough Draft) Friday, October 1st (Final Draft-Forms DUE for science fair) Lab Grade
REVISED FUTURE AND PROTOTYPE, BREAKTHROUGHS, & CONSEQUENCES Follow guidelines provided from teacher. SUBMITTED through TURNITIN	RESULTS Display data in appropriate tables and graphs with pictures Conclusion: written in the CER (claim-evidence Reason format)	Friday October 29 th Lab Grade
ABSTRACT Describe your project in 150 words or less. SUBMITTED through TURNITIN WEB PAGE GRAPHICS (5) Follow directions provided.	ABSTRACT (on the GSEF abstract document) Complete all aspects of the abstract in 250 words or less. VIRTUAL DISPLAY Turn in an attractive and well organized backboard describing your work.	Friday, November 19 th Lab Grade
December 3, 2021 TCHS Science Fair		
February 2022 Virtual Competition for Exploravision TBD: Region Science Fair		

Parts of these projects will be turned in multiple times. Make sure all work is saved more than one place and that all group members have access to the electronic version. Exploravision projects and science fair projects will be submitted electronically. All parts of the project must be turned in on time or result in ten points taken off for each day that it is late. If the student chooses to participate in a group project, all students in the group will receive the same grade. Checklists will be provided for every assignment and due dates will be posted on the checklists.

Syllabus and Contact Information

Please List the best way to be contacted during the day and evening hours.

Home Phone: _____

Cell Phone: _____

Work Phone: _____

E-mail: _____

I understand that the rules and requirements listed in the syllabus. I understand that my failure to uphold these rules and regulations could result in detention, parent conference, and/or referral to the administration.

Student's Name: _____

Student's Signature: _____

I understand the guidelines set in the syllabus. My child has read and fully understands the requirements in the class. I will give my child the appropriate support and guidance during the course.

Parent's Name: _____

Parent's Signature: _____

I will provide a safe, positive learning environment by upholding school policies set in the TCCHS student handbook. I will monitor your student's progress throughout the course and will provide updates on student's grades as needed.

Teacher's Name: Mrs. McCorkle

Teacher's Signature: _____