

Instructor Contact Information for Chemistry 1

Name: Beth McCallum

Room #: 144

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Website: [googleclassroom.com](https://www.googleclassroom.com)

Access Code: a5lhlr

Course Description:

Chemistry I is a *laboratory science course* in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for Inquiry, Mathematics, and Technology & Engineering are taught in the context of the content standards for Atomic Structure, Matter and Energy, and Interactions of Matter.

Text Book: Holt McDougal: Modern Chemistry

Supplies and Laboratory Fees:

- *Pencils and pens (blue or black ink ONLY)*
- ****Composition Book(Bound)**
- *Loose leaf paper in a folder with pockets and 3 prongs*
- *Scientific Calculator (It just needs to do scientific notation)*
- *A laboratory fee of \$15.00 for materials use in the lab*
- *Dry Erase Markers (1 pack standard colors)*

Assignments and Grading Scale:

- **Daily Practice:** Journal entries, notebook checks, bell-ringers, paired practice, class work, homework and daily reviews. These assignments reflect first time learning and support the student's preparation for quizzes and major assessments.
- **Informal Assessments (20% of grade):** Paired and group activities, laboratory experiments, tactical activities, and quizzes. These assignments assess mastery in learning and should reflect the student's understanding of individual concepts.
- **Formal Assessments (80% of grade):** evaluations, tests, and major projects. These comprehensive, objective and analytical evaluations are designed to assess the student's mastery of the TN Science Standards for the Chemistry I. *This is achieved by providing a balanced mix of question types, assigning projects that will promote high order thinking and reflection on what the student has learned and/or how it applies to the student personally.*
- The student will be responsible for an EOC exam at the conclusion of the course. (EOC is 10% of the 4th quarter grade)
- **Make-up work:** Due to absence, students will have five days from the day they return to turn in missing assignments. If students miss a formal or informal assessment they should be prepared to take it upon their return. All missing work will be entered as a zero and will be updated if the assignment is completed and turned in before the 5 day deadline.

Note: Progressive grading will be implemented. Scores may improve with evidence of mastery on subsequent assessments.

Course Schedule Pacing Guide

Weeks #1-3: Intro; Scientific Methods and Procedures; Lab Safety; Atomic Structure & the periodic table; molar conversions-Test

Week #4-6: Electrons; Periodic Table and Trends -Progressive Formal Assessment

Week #7-8: Bonding and Naming Compounds and then Mid-Term Review

MID – TERM EXAM Oct. 11 & 12

Week #9-11: Percent Composition; Empirical and Molecular Formula; Balancing Equations; Types of Reactions Formal Test

Week #12-13: Stoichiometry– Progressive Formal Assessment

Week #13-14: Types of Matter; Chemical & Physical Properties; Gas Laws-Progressive Formal Test

Week #15-16: Molarity and Solutions; Nuclear Decay and Half Life Concept, Acids and Bases

Week #17-18: Review for Final exam and EOC and take **Final Exam Dec. 17 & 18**

Class Participation: Student success is accomplished by participating in the following:

- Classroom discussion/input/dialogue/Bell work
- Small group activities
- Partner Assignments
- Preparing for class by having all materials and assignments
- On task behaviors
- Compliance and respect for class norms and procedures

Classroom Norms and Procedures: *students are expected to:*

- *follow **all school and district policies***
- *be respectful of the teacher, themselves, and others at all times; and follow common rules of courtesy.*
- *be alert, prepared, and ready to participate in class. This includes having all materials, books, and assignments in class every day. Anyone entering the classroom after the bell rings will be counted tardy.*
- *be quiet and respectful when visitors are present, announcements are being made, or instructions are being given.*
- *follow all safety contract policies (Contract for lab safety is provided separately and must be signed)*
- *be responsible for your actions, schoolwork, and any make-up assignments, labs, quizzes, or tests missed due to absences.*

South Gibson County High School strives to be a training ground for college and career readiness. Therefore:

- All students are expected to complete all assignments that support the learning of the state standards and complete those assignments to an acceptable level of mastery and in a timely manner.
- Students are responsible for earning their grades. However, should a student continually refuse to make reasonable efforts to complete the requirements for earning credit in the course, failure of a course is a possibility after all other measures to be successful have been exhausted.

Academic Support:

- Students can utilize intermission to come to my class and ask questions that they may have in regards to the material.
- Immediate parent/guardian contact along with additional instruction on a skill or concept.
- Credit recovery-in the event that a student fails the class but makes above a 50% the student may be permitted to work towards earning the chemistry credit without having to retake the class.
- *I am available for afterschool tutoring as needed. Please contact me via email or by filling out a request slip. Turn in request to your basket.*
- *Peer tutoring PASS program before and after school in the Media Center **Wednesday and Thursday***

Board Policy 4.400

- Upon request, parents/guardians shall have the ability to inspect the following items: instructional materials; teaching materials; teaching aids; handouts; and tests that are developed by and graded by their child's teacher. Parents wishing to inspect such materials should contact the building level principal in writing.

~Please cut and return syllabus to Mrs. McCallum~

Chemistry I or Chemistry I Honors Syllabus

Mrs. McCallum

By signing below I agree that I have read and understand the requirements and expectations for Chemistry Class. I agree to adhere to all classroom Standards and Norms.

Student's name (print)_____

Parent/Guardian (print)_____

Parent/Guardian signature_____

Date_____

Parent/Guardian phone (home, cell, work)_____ **text: Yes or No**

Parent/Guardian e-mail address_____