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Description automatically generated**Chemistry Syllabus**

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**High School: Grades 9-12**

**Welcome to Chemistry!** This is my 20th year in education, and I am looking forward to applying science and mathematics through the Design Process. I enjoy learning and I hope to foster a desire for your student to like to learn, too!

**Course Overview: Learn. Explore. Design. Iterate.**

**Chemistry not only is about understanding the world around us, but also is about utilizing our understanding to design solutions to real, complex challenges in the world around us.**

The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in chemistry. This curriculum includes more abstract concepts such as the structure of atoms, structure and properties of matter, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. By taking this chemistry class you will begin to understand and hopefully learn how to think about phenomena that we can easily take for granted. At the end of this course, you will see how chemistry is the basis for all things that we can observe and for the processes that we cannot observe.

**Units to be taught (subject to slight alteration)**

**Unit 1: Atoms Unit 2: Properties and Bonding Unit 3: Chemical Reactions**

**Unit 4: Solutions, Acids and Bases**

**LaunchPad, Canvas, and Textbook**

* Launchpad is our single sign on platform. All the apps/webtools that students will access throughout the school year, in all their courses, can be found here. You may also download the Classlink app to your device to access Launchpad from your phone or tablet.
* Our learning management system, Canvas, can be found in each student's Launchpad. The courses they are registered for will be displayed on the Dashboard in Canvas. Click on each course to find announcements, assignments, and all online instruction. You may also download the Canvas app for parents and the Canvas app for students to your cell phone or tablet.
* Savvas Pearson Experience Chemistry, 2021

**Materials List**

Scientific Calculator, 3 Ring Binder, Notebook Paper, Composition Notebook, Pencils, Pens Colored Pencils Set of 4 Black Dry Erase Markers Set of Highlighters

**Grading Policy**

Middle and High school student performance will be recorded and reported in all courses by numerical grades, based on a 100-point scale.

* Calculation of Final Grades Final grades will be determined by the cumulative semester average using the following criteria:
* **Minor Grades** = 60% Examples include quizzes, labs, and other graded assignments to assess certain standards in a unit of study. Minimum number of minor grades per 6-week progress report period = 5
* **Major Grades** = 40% Examples include unit tests, essays, research papers, project-based assignments, and other culminating assessments to measure mastery of standards that comprise a unit of study. Minimum number of major grades per 6-week progress report period = 2

**Late/Missing Assignments**

Late work is defined as assignments that are submitted after the specified deadline. This does not apply to work submitted late due to absence from school. Students are expected to submit assignments on time.

Multiple incidents of late work may result in teacher-student-parent conferences to examine and correct the student’s work habits through an academic contract.

Scores may be reduced by 5% per school day for a 25% maximum reduction (five school days).

Late work submitted after the fifth school day will only be accepted at the teacher’s discretion.

**Relearn/Reassess**

Students who perform below 70% on a major assignment will be given the opportunity to relearn and reassess to show improvement in their mastery of the standard.

Students will submit a Relearning Plan as part of this process. This plan should include:

* Analysis of their errors or misconceptions on the previous major assignment.
* Complete assignments provided to relearn the content for mastery. Students may also attend a tutoring session.
* Complete and turn in any missing assignments.
* Commit to date(s) and time(s) to redo the assignment or retake the assessment.
* Share the plan with their parent and teacher for approval and signatures.

Upon satisfactory completion of the plan, as determined by the teacher, student should be given a minimum of one opportunity to be reassessed.

Teachers should have discretion to determine if R&R opportunities will be given for any minor assessment.

**Tutoring**

Tutoring is available as needed by appointment only. Please contact teacher if you are interested.

**Classroom Management Policy**

**Expectations for Behavior**

--The lab/classroom is a safe environment where learning is designed to take place. Students are expected to follow all school rules, lab procedures, and safety procedures and follow the regulations for student behavior and dress.

**-Give and Expect Respect -** Listen when others have the floor. Speak in a manner that would be appropriate in a workplace. Do not disrupt the learning environment.

**-Demonstrate Good Work Ethics -** Exercise care for the facility including its equipment and supplies. Keep noise to minimum during instructional time. Wear appropriate clothing for planned activities. Use equipment and supplies for educational purposes only. Complete makeup work in a timely manner.

**-Food and drinks are not allowed in the lab/classroom (though you can have a water bottle).**

**-Work Safely -** Do not violate safety rules. Horseplay will not be tolerated. Do not distract other students while they are working.

**-Maintain Workstation and Lab Equipment Properly -** Keep the work area clean. Put tools, equipment, and supplies in their proper place. Notify the instructor if something is not clean or working properly.

**-Act Appropriately During Emergencies and Drills** - Follow instructions quickly and calmly during all alarms and drills.

Failure to abide by the above expectations will result in:

-Warning

-Activity Expulsion / Student Conference

-Parent Conference

-After School/Lunch Detention

-Discipline Referral.