

Enriched Chemistry Course Syllabus 2020-2021

Contact Information

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What You Are Going to Learn

SCL.CHEM.01 Students will infer the structure and predict the properties of an atom.

SCL.CHEM.02 Students will infer the structure and predict the interactions of a substance based on the substances properties.

SCL.CHEM.03 Students will use mathematical proportions to support mass conservation.

SCL.CHEM.04 Students will predict the properties of a substance based on the energy (due to motion or position of particles) of the system.

SCL.CHEM.05 Students will analyze a problem and design, test and evaluate a solution to that problem.

Students will be able to:

1. analyze the properties of different substances based on molecular structure.
2. evaluate how the structure of an atom affects its properties and stability.
3. evaluate the bonding that occurs between elements to form compounds.
4. apply the appropriate nomenclature for different types of compounds.
5. analyze chemical reactions to predict the outcome of reactions.
6. analyze the relationships between pressure, volume, temperature, and moles of a gas when solving problems.
7. analyze the formation of solutions and reactions that occur in solutions.

In addition, Enriched students are expected to:

1. Problem-seek and problem-solve
2. Participate in scholarly and creative processes
3. Use imagination
4. Critically analyze and apply
5. Learn to express/defend ideas
6. Learn to accept constructive criticism
7. Become a reflective thinker
8. Become an initiator of learning

The format of the course allows you to meet these standards.

Course Outline:

Semester 1:

- Atomic Structure and the periodic table
- Chemical Reactions
- Molecular structure and properties

Semester 2:

- Conservation of mass (stoichiometry)
- Rates of Reactions
- Energy change in chemical reactions

Required Materials:

Being prepared is important for success in any class. Bring the following with you each day since we are to be limiting the sharing of materials:

- A composition notebook (preferably quad-ruled) to use as a lab notebook
- Pencils
- Black/blue pens and pencils
- Calculator (TI-30X or higher)
- Colored pen (for modifying thinking/editing)
- Highlighters

Online Textbook: Modern Chemistry (Sarquis) can be accessed at my.hrw.com

- **Username:** ankenychemistry
- **Password:** chemistry

*****You will not be assigned a textbook for Chemistry class.**

Stapp's Teaching Schedule:

Periods 1, 2, 4, 5, 6: Anatomy & Physiology in room 2406

Period 3: PLC Collaboration/Planning

Period 7: Enriched Chemistry in room 1404

Period 8: Planning

If you need help, I am available before school, during lunch, and during my planning periods. During the fall and spring I am busy with girl's cross country and track so I will be unavailable after school. Please be aware that if you need help, Enriched Chemistry does not necessarily follow the same course schedule as regular Chemistry. Your best bet is always to set up a time to meet with me, rather than one of the other teachers. I'm flexible and willing to work with any and all students, so come see me!

Means of Communication and Class Websites:

I use Remind to communicate with students outside of class. Parents can join Remind along with students to remain informed about upcoming assessments and due dates. In order to access Remind, you can go to <https://www.remind.com/join/chemstapp> OR you can text the number 81010 with the message @chemstapp.

I use both Google Classroom and my own Google Site for class resources and assignments. To access Google Classroom, you must go to classroom.google.com then join my Enriched Chemistry class using the class code **jmvj2ku** if you are in period 7 GROUP 1 or **p7ufgk** if you are in period 7 GROUP 2. To access my Google Site, just type in tinyurl.com/apstapp into your search bar.

Assessment and Grading:

Formative Assessment: Formal and informal processes teachers and students use to gather evidence for the purpose of improving learning.

Summative Assessment: Assessments that provide evidence of student achievement for the purpose of making a judgment about student competence or program effectiveness.

In accordance with standards-based grading, our assessments are tiered based on skill proficiency, rather than a points-based system. Student assessments are tiered and graded using proficiency scales.

- Students must demonstrate understanding at the 65 level on **all standards** in order to pass the course, regardless of their final percentage grade in the class.
- Summative assessments are tiered (65, 75, 88, 100). Students must demonstrate proficiency in the lower levels before they can earn a higher level grade.

How students will be graded:

- Letter grades will continue to be assigned for all courses at the secondary level based on the 0-100 percent scale.
 - Levels will be assessed multiple times, all levels will be reassessed, and the most recent score replaces the previous score. This encourages retention of the most basic concepts.
 - Failure to meet understanding at the 65 level will be entered as 37.5 in infinite campus.
 - Rubrics are provided for each essential learning so students clearly know what concepts and skills they need to know to get the desired level of understanding.
- If/when utilizing the Levels of Proficiency (Beginning, Progressing, Meeting, Advanced), teachers will show the connection between a student's performance on the Performance Scale to the assigned grade. This connection will be communicated at the onset of its use and throughout the learning progression for the purpose of providing feedback.

Grading Scale for Non-Weighted Classes:

Letter Grade:	A	Letter Grade:	C
Minimum Percent:	92.5	Minimum Percent:	72.5
Letter Grade:	A-	Letter Grade:	C-
Minimum Percent:	89.5	Minimum Percent:	69.5
Letter Grade:	B+	Letter Grade:	D+
Minimum Percent:	86.5	Minimum Percent:	66.5
Letter Grade:	B	Letter Grade:	D
Minimum Percent:	82.5	Minimum Percent:	62.5
Letter Grade:	B-	Letter Grade:	D-
Minimum Percent:	79.5	Minimum Percent:	59.5
Letter Grade:	C+	Letter Grade:	F
Minimum Percent:	76.5	Minimum Percent:	59 and below

90% of your course grade is determined by performance on assessments and other assignments that will be used as evidence of proficiency on the standards.

10% of your course grade is determined by a Semester Exam.

Important! All summative assessments (quizzes and tests) must be completed before you can receive a grade for the course!

Multiple and Varied Assessment Opportunities (including Retakes)

Students will have multiple assessment opportunities to demonstrate higher levels of achievement. The opportunities may be initiated by the instructor or the student, but always at the instructor's discretion. Additional opportunities may include retakes of an alternate form of an assessment (e.g., Form B instead of Form A), student revisions of work products based on descriptive feedback, or alternative methods of assessments (e.g., an oral response rather than a written test).

Specific guidelines are the following:

- Students will be provided the opportunity to be reassessed (i.e., retakes and homework).
- Teachers determine appropriateness and authentic need for reassessments, i.e. a retake will only be given when a student has not shown proficiency on the standard being assessed.
- Generally, reassessments will be limited to one retake per assessment. Additional reassessments will be provided at the discretion of the teacher. While a retake is encouraged by the teacher, it is ultimately a student's decision whether or not to participate in the retake.
- Retakes will be taken within a reasonable time frame that the teacher determines and informs students of in advance. This typically means retakes of an essential learning **must** be completed before the next essential learning's 100 level assessment.

You may have the opportunity to retake all or part of a quiz or unit test. Each retake is subject to the guidelines mentioned above. Before a retake can be done, the student must meet with the teacher at least once outside of class and, in most cases, do some extra practice work.

Homework and Independent Practice:

Homework is an opportunity for students to practice skills, apply knowledge, review and build on past learning, and extend learning. Homework is individualized and based on each student's progress towards established standards. The purpose of the assignment will determine whether or not a grade is given and will be clearly articulated to students. Through independent learning tasks (homework), students assume more responsibility for their learning and are given opportunities to apply what they have learned to new situations or experiences.

There are four main purposes for independent learning tasks:

- Purpose 1: Building fluency;
- Purpose 2: Applying knowledge;
- Purpose 3: Reviewing and practicing past learning; and
- Purpose 4: Extending learning across topics and disciplines.

The purpose of an assignment will determine whether or not a grade is given. Independent practice / homework shall be individualized and based on each student's progress towards established standards.

Academic Integrity:

All students are expected to commit to high standards of personal and academic integrity. Students are expected to do their own work and document sources appropriately.

Extra Credit and Bonus Points:

To ensure that grades reflect progress toward and achievement of the standards, ***giving extra credit points or bonus points will not occur in this class.***

Missing Class

It is important for you to be in class as much as possible. ***Students who do poorly in the class generally do so because they miss too much class.***

If you miss class for some reason, it is your responsibility to talk to your instructor and pick up your missed work. For each day missed, you have two days to turn in the assigned homework.

If you are absent on the day of a test or quiz, it is your responsibility to see the instructor to arrange the soonest possible make-up date and time (generally 2-3 days).

Tests are announced well ahead of time. If you are absent on the "Review Day" before each test, you are expected to take the test on the scheduled day with the rest of the class.

Behavioral Expectations:

The work habits/behavior standards are for grades 6-12 courses in our district. These work habits/behavior standards will be reported throughout the semester and are as follows:

- Organization and Readiness
- Productivity and Accountability
- Collaboration Skills

For those of you accessing this document electronically, the work habits tool can be accessed online: [Work Habit Tool Online Link](#). We will be using the following performance levels:

MS = Meets Standard

PM = Partially Meets Standard

DM = Doesn't Meet Standard

NE = No Evidence

These descriptors are intended for feedback and communication and do not impact a student's GPA.

Behavior expectations for this course:

- attend class
- bring required materials to class
- participate in all learning activities
- keep materials updated and organized
- complete in-class and outside-class practice exercises
- exhibit self-control with your cell phone
- show respect for the learning of others
- following lab safety

Academic dishonesty will not be tolerated. Any violations will be dealt with in accordance with Ankeny High School policy.

Cell phones should be silenced and put away when class begins and should stay put away until the end of class.