



Course Name	Instructor	Instructor E-mail & Availability
Chemistry	Miss Kathryn Nickel	kenickel@aps.k12.co.us Free Period: 1 st and 7 th
Course Twitter	Class Meeting Times & Location:	Prerequisites
@misschem_achs	Room 383 Near the HSA Hallway	Biology or Physics

Course Description

Welcome to Chemistry 2016-2017 with Miss Nickel! During the school year we will be exploring a lot of the chemistry world, focusing our attention first on the Periodic Table and all the wonderful information it contains. With the Periodic Table we will be conducting a semester long project involving various elements and how they fit into our world. Then we transition into understanding Water properties on a small scale and a large scale around the world. This course will allow you to gather a deeper understanding of how interactions take place on a small scale and a large scale, to see the world in a different perspective.

Standards

Matter has definite structure that determines characteristics physical and chemical properties. Matter can change form through chemical or nuclear reactions abiding by the laws of conservation of mass. Atoms bond in different ways to form molecules and compounds that have definite properties.

Learning Outcomes by Quarter

Semester 1

You will have a semester project that will be due at the end of Quarter 2.

In this project you will learn about the following:

Periodic Table
Atomic Structure
Valance Electrons
Ions
Isotopes
Elements, Compounds, Mixtures
Separation of Mixtures
States of Matter
Changes of Matter
Measurements
Density

Semester 2

You will have a semester project that will be due at the end of Quarter 4

In this project you will learn about the following:

Ionic/Covalent Bonding and Naming
Chemical Reactions (balancing, types & predicting)
Limiting Reactants
Acids and Bases
Molarity & Stoichiometry
Fingerprinting
Electron Behavior in Light
CSI: Luminol, Fingerprints, Powder ID, Chromatography, Density

Aurora Central High School Syllabus 2016-17**Required Supplies**

Pen or Pencil – every day, we both cannot do our jobs if one of us is not ready.
Notebook – every day, we both need to keep track of new information, organized and in one place.
Folder- sometimes we need to keep papers that are important to our learning.
Periodic Table- every day, we both cannot do chemistry without it.

Grading

Students will be graded on a 4 point scale for all assignments

Point	Letter Grade	Explanation
3.0-4.0	A	In addition to the performance score of 3.0, the student demonstrates in depth inferences and applications that extend beyond what was taught.
2.5-2.99	B	There are no major errors or omissions regarding any of the information and/or processes (simple or complex) that were explicitly taught. This level is mastery
2.0-2.49	C	There are no major errors or omissions regarding the simpler details and processes, but there are major errors or omissions regarding the more complex ideas and processes.
1.0-1.99	D	With help, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.
Below 1.0 or No Evidence	F	Even with help, the student cannot demonstrate understanding of the simple details.

School Policies**REQUESTS FOR HOMEWORK**

Students requiring homework assignments due to extended excused absences (three days or more) should initially contact the attendance office. The attendance office will notify teachers and collect assignments from individual teachers. Assignments should be ready for pick up 24 hours after a request has been made. Please call the attendance office to check homework status.

MAKE-UP WORK DURING ABSENCES

Any time a student misses a class for any reason whatsoever, that student will be expected to contact each teacher and complete the make-up work in order to achieve the learning objective. This includes field trips, school activities, suspensions, group sessions, truancies, and the like. Make-up work is required and students who have been absent from class must request make-up work from the teacher no later than the next class meeting. Teachers will determine a reasonable amount of time for make-up work when students are absent, using a two days for every one day absent guideline.

Teachers may provide an "alternative" learning experience for make-up work to any student who requests it upon returning to class. For example, a student may have been absent from a class at which the daily learning objective was achieved by means of a class discussion. At the teacher's discretion, students who were absent during that discussion might be assigned a two or three-page written essay due three or four days after the student's return to class as an 'alternative' learning experience for that objective.

Teachers will give academic credit to all make-up work that complies with the above guidelines. The only exception is that teachers have the choice whether or not to give academic credit to the make-up work from an unexcused absence. If the absence was unexcused, the teacher should provide feedback but is not required to give credit for the work.

TARDY POLICY

After three tardies teachers will conference with the student and contact home. After 5 tardies students can be referred to the Learning Center and additional consequences may be assigned.

PASSES

Students who leave the classroom or are excused from class must have a pass with correct validation by the teacher. School officials may send for a student using an authorized Administrative Pass. Students who are without official passes will be subject to disciplinary action. Passes will not be given in the first 10 minutes or last 10 minutes of class.

NON-ACADEMIC TECHNOLOGICAL DEVICES

Aurora Public Schools believes in providing environments that optimize learning and teaching and are safe, secure, and well maintained. As such, all personal electronic devices* shall not be seen nor heard during the school day in academic areas of the building from 7:30 A.M. to 3:45 P.M. *Cell phones, iPods, headphones, portable speakers, MP3s, tablets, cameras, etc. **Aurora Central High School is not responsible for lost, stolen or damaged electronic devices.** This includes electronic devices that are confiscated by staff. Aurora Central High School reserves the right to not investigate lost, stolen or damaged electronic devices.

Classroom Policies

1. Food is only allowed in classrooms during 1st period, I do not have a 1st period so food should never be in the classroom, we use chemicals in here you do not want to eat them
2. Use language that is appropriate for young ladies and gentlemen. No swearing or using words to put other students down. We're all here to learn lets help each other rather than hurt each other.
3. With language, there will be on bullying physical, mental or emotional. All students will be accepted when they come in to room 383. No exceptions
4. Cellphones will remain in your pocket or backpack, cellphones do not get high school diplomas, you do so pay attention.
5. Violence of any kind towards any student will NEVER BE TOLERATED and actions will be taken to remove those students from the class immediately.

Tear off and return THIS PAGE only and return to Miss Nickel.

I have carefully read the expectations of this course and agree to support the goals and initiatives of the course. I will show up, speak up, stand up and go further than I ever thought possible.

Student name: _____(print)

Grade _____ Period _____

Student Signature: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____ **Aurora Central High School Syllabus 2016-17**

Parent/Guardian Phone Number: _____

Parent/Guardian Email: _____