

Course: **Honors Chemistry**
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Chemistry Course Description

Welcome to first semester Chemistry class!!!
Chemistry is a **lab** class – you are expected to LEARN from the labs not just complete them.
Chemistry is a **concept** class – you are expected to know the concepts from many perspectives and APPLY the concepts through laboratory exploration and other assessments.
Chemistry is an **applied mathematics** class – you will not only need to work with equations in the class but will also have to SOLVE and find the numbers that need to be used in the equations by solving other mathematical processes and/or analyzing laboratory situations.
Chemistry is a **science** class – this means that you will need to DISCOVER and make INQUIRY as answers will not readily be given to you, rather you will be given aid in finding your own answers.

Honors Chemistry is now part of one of the two class options and is linked directly to the MISA examination. Students will take the state mandated test in April or May of next year and is required for graduation.

Instructional Philosophy

Each section of the course will lend information to the other sections in the course, so if you are struggling, please ASK FOR HELP as I will be here to help you in any way that I can. Content is cumulative and therefore, it is imperative to not fall behind.

Students are expected to develop independent thinking and study skills. Do not wait to until due dates to ask questions about an assignment or test. ASK before the due date!

One way that we will explore chemical concepts is through the laboratory. The lab is an extraordinary learning opportunity; however, it can also be dangerous. For this reason, safety rules will be STRONGLY ENFORCED.

Classroom Policies

1. Come to class prepared and ready to learn.
2. Always review the posted outcome and agenda as well as complete any drills upon arriving to class.
3. Due to safety, food and drink are **not allowed** in the laboratory area at any time.
4. Display that Wildcat PRIDE!

Materials

1. Pencils/pens
2. A Scientific **Calculator** (one with scientific notation)
3. Composition notebook for a lab notebook.
4. Course Text: "Chemistry" Pearson, 2012

Textbook

We are only planning to issue textbooks to students who specifically request a hard copy of the book since the book is available online.

More information will follow regarding the online textbook.

The advantages of the online text include:

- Instant feedback when working or answering problems or questions
- The ability to highlight and post notes and save those files
- Interactive graphs and charts and simulations
- Video simulations on occasion
- And much more.

Course Outline

Quarter 1	Quarter 2
<p>Unit 1: Up, Up and Atom</p> <ul style="list-style-type: none">• Safety/mathematics/measurement• Big Bang Theory• Atomic structure• Electron structure• Waves and Spectra• Periodic Table <p>Unit 2: Bonds, James Bonds</p> <ul style="list-style-type: none">• Covalent bonding• Polarity and bond type• Ionic bonding• Metallic bonding• Intermolecular forces <p>Science research project throughout quarter</p> <p>AACPS Quarter 1 Benchmark exam</p>	<p>Unit 3: Holey Moley</p> <ul style="list-style-type: none">• Mole concept and Avogadro• Molar mass• % composition• Conservation of mass• Chemical reactions• Stoichiometry• Molarity <p>Science research continued and due</p> <p>Teacher generated Quarter 2 Assessment</p>

Absences

1. It is your responsibility to make up any work that you missed. It is your responsibility to make up any work that you missed. You can access missed work, class notes and assignments on blackboard.aacps.org. The login username is your student ID number and the password is the same password used to log into the school computers. Students can print directly from Blackboard if necessary. Blackboard is updated daily for students' convenience!
2. Assignments presented to the students on the date of absence are due by the class period following your first day back. Assignments due on the date of absence are due when you return.
3. Labs, tests, and quizzes can be made up at times convenient to the both of us. Due to the set-up of equipment and time necessary for labs and some tests, it may be necessary for you to stay after school. These arrangements will have to be made with me immediately following your absence.
4. If you do not understand an assignment, **ASK for help**. See me during WCH, before school or after school. Not understanding an assignment is a poor excuse for an incomplete or a zero. We are here to help you! 😊

Teacher Availability

All teachers are available every day (except Mondays) for Pride , but some days may be reserved for specific reasons. Check with your teacher.

Grading Policy

You are expected to master the topics in the Course Outline listed above (70 % or better) by successfully completing all assignments, labs, unit tests and county assessments. It is expected that you complete each assignment and submit it on time.

Grades will be based upon achievement in the following:

- Assessments (65%)
- Classwork (15%)
- Homework (10%)
- Quarter assessment (10%)

Assessments include, but are not limited to, unit tests and projects. Classwork consists of things done in class or things (such as labs) started in class but asked to finish on own time. Lab reports are considered classwork unless stated otherwise by the teacher. Homework consists of pre-labs or other assignments strictly done outside of class.

Percentage = Letter Grade

90 – 100 = Excellent

80 – 89 = Good

70 – 79 = Satisfactory

60 – 69 = Poor

00 – 59 = Unsatisfactory

Proficiency Program – (Makeup and Redo Policy)

- On all summative assessments students can attempt to “upgrade” or “redo” their assessment only if a “good faith” effort was provided. In order to redo, students will be required to complete an academic remediation with me during WCH or after school. These upgrade attempts can be attempted **once**. **All attempts** to upgrade need to be submitted within **5 school days (one week)** of receiving the original work graded.
- **Remediations and Redos are available during P² or by request in the testing center**
- Summative assessments submitted beyond the original assigned due date cannot be upgraded or redone.
- Homework and classwork cannot be redone for credit.
- Homework, classwork, and assessments submitted late may be subject to late penalties down to the “minimum” 50 or after a certain amount of time, may not be accepted by the teacher.

Defining “good faith”

- **Completion** of **all** homework and formative assessments with submissions on the original due date. Submission of homework and assessments leading into the test late or incomplete does **not** constitute good faith and will forgo redo/upgrade opportunities.
- Honest and complete attempts on the original summative assessment. Leaving BCRs or other questions blank or failing to address analysis questions in formal lab reports, for example, does **not** constitute good faith and will forgo redo/upgrade opportunities. Completing an exam in less time than it takes to read all test questions does not constitute an honest effort and will result with a forgo of the redo/upgrade opportunities. Students must read the tests carefully and attempt all questions and problems.
- Active participation in class. Students who use cell phones when the red “no electronics” sign is up or who chose to put their heads down, for example, may forgo redo/upgrade opportunities.