**Honors Chemistry**

**Course Syllabus**

**Arizona College Preparatory**

## **Instructor:** Craig May **Room:** B216

**Email:** [May.Craig@cusd80.com](mailto:Sims.Cristi@cusd80.com)  **Voicemail:** (480) 424-8776

**Office Hours:** Thursdays after school until 3:30

**COURSE DESCRIPTION**

Welcome to Honors Chemistry! This course is an activity-driven Honors level chemistry program designed to prepare students for Advanced Placement (AP)/College level chemistry. The curriculum provides a comprehensive survey of the key issues including: the study of matter and density, atomic theory, periodic table, bonding & nomenclature, moles, chemical reactions, gases, solutions, thermochemistry, Stoichiometry, acids and bases. As part of the honors requirements, this course integrates additional problem solving and reasoning skills as well as laboratory and field research skills. This course will also have an extensive writing component for developing scientific literacy. Over the course of the year, students will be developing a skill set to help build a successful a transition into the AP (college Majors level) science courses.

**DUAL ENROLLMENT**

This course is also offered for Dual Enrollment.

###### TEXTBOOK

* Pearson Chemistry by Wilbraham, Staley, Matta, & Waterman

###### Introductory Chemistry, 5th Edition, by Zumdahl

REQUIRED MATERIALS

* 5x5\* graphing composition lab notebook
* Dedicated 1.5”- 2” 3-ring binder
* 5 **tabbed, pocket** dividers (labeled Lab Book, Class Documents, Notes, Projects, Research Articles)
* 1 large, zippered binder pocket for lab book (a heavy duty sheet protector might work but won’t last)
* Loose leaf paper
* Writing utensils: blue or black pens or pencils (with lead)
* Colored pencils
* 3 ring Pouch for Colored pencils (in binder)
* Ruler (for creating data tables and graphs in lab book)
* Glue stick *or* clear plastic tape for lab book
* Calculator

###### GRADING POLICIES

Grades are based on weighted categories. The percentage for each category is determined by cumulative points in the semester and calculated into a percentage. Grades are only rounded to the next highest whole percentage if the tenths place is a 5 or higher! For example: 79.50 will round to an B; however, a 79.49 will remain as a C. Grades can be viewed through Infinite Campus which is available online or as an app for most mobile electronic devices.

**Grading Scale:** **Grade Categories: Semester Grade:**

A = 100% - 89.5% Tests/Quizzes 60% Semester Fall/Spring = 80%

B = 89.49% - 79.5% Labs/Projects 35% Final Exam = 20%

C = 79.49% - 69.5% Classwork/Homework 5%

D = 69.49% - 59.5%

F = 59.49% and below

###### COMMUNICATION

###### Students are expected to check their Google classroom and class website for announcements, lessons, and assignments when they are posted. Because some documents will be distributed electronically, you must inform me immediately if there is a problem retrieving them. The best way to reach me is through e-mail. If you have a concern or question you need to discuss at length, I am available for google meet appointments. These meets must contain a parent/guardian, or they will be recorded.

###### ONLINE LEARNING EXPECTATIONS

###### Be Decent. Follow the rules of [Netiquette](http://www.albion.com/netiquette/corerules.html).  [Click here for Netiquette rules.](https://coursedesign.colostate.edu/obj/corerulesnet.html)

###### Complete required tasks in a timely manner. Be proactive with a back-up plan in case you are unable to access the Internet in your regular place of study.

###### Plan ahead for testing situations to ensure uninterrupted span of time.

**NO PLAGIARISM**. Especially online, it may seem easier to look up answers on the internet and just copy and paste, however it is PLAGIARISM anytime you use the work of others and claim it as your own. It doesn’t matter if it is a class worksheet, notes, activities, labs or essays. It is academically dishonest and dishonorable behavior.

###### CLASSROOM RULES

1. **Be positive!** No negative talking about yourself or others! Not even negative joking around. It’s hard enough to be in high school without dealing with mean-spirited “jokes” that aren’t even funny because their true intent is to cut someone down. NOR are you allowed to talk badly about yourself or your abilities once you cross the threshold of this classroom. This includes phrases such as “I’m just not good at science.” Focus on the fact that you are still in the process of learning who you are and be open to the idea that maybe there might be something interesting to learn in science that you didn’t expect. ☺
2. **Be respectful!** Of everybody and everything! You, your classmates, your teacher, your school, personal and district property, lab materials, all of it. This pretty much covers everything from not talking while the teacher is talking to NOT copying someone else’s homework, classwork, labs, tests & quizzes (yep, those are all considered cheating…)
3. **Maximum Effort!**  Turn your brain ON when you enter the classroom! This is a college-level science class, which means you will be required to think about things and discuss them even when you may not know what the “correct” answer is (because maybe there isn’t one.) Class discussions require that you read your assigned textbook sections, keep up with the work on a daily basis, study the material and complete all assignments. PLEASE ask questions during class when you don’t understand something.

**CLASS PROCEDURES**

1. **Class entry**: Stand outside the door until the teacher invites you in!
2. **Cell phones put away**: Cell phones will be put into the cell caddy upon entry to the classroom. Students may not have their cell phones during class except for academic reasons per the teacher.
3. **Responsible Electronic Use:** Students are expected to use electronics responsibly. Electronics should be put away unless being specifically utilized by teacher or student for academic purposes. If students would like to utilize electronics, they should ask permission of the teacher first.

**Inappropriate Use of Devices -** Electronic devices will be confiscated if being use inappropriately during class time.

1. **Academic Integrity**: *Copying and plagiarizing are considered cheating and includes, but is not limited to, copying homework/ labs/ tests/ quizzes and “ helping” another student to do so by providing YOUR completed work.*

**Cheating –**a zero will be given for the assignment to every student involved. Additional information can be found in the family handbook.

1. **Safe Environment:** Safety is a major consideration in any science laboratory. All students will be required to sign a safety contract before participating in any laboratory experiments. Specific directions are given as a mean of keeping everyone safe. It is everyone’s responsibility to maintain a safe environment.

**Misconduct** – student may be assigned a referral or detention and the situation handled according to Family Handbook depending upon level of misconduct

1. **No Rescue Policy: (Please see Family Handbook for further clarification, if necessary)** Students will not be permitted to call home in order to have a family member bring a forgotten assignments to campus. If a parent brings an assignment to the office after the start of the school day, the assignment will be placed in the appropriate teacher’s mailbox and standard late work policies will be enforced. The policy is enforced after 1st quarter mid-quarter progress reports.

**LATE WORK/ABSENCES:**

**I am aware we are in the midst of a pandemic and will adjust my attendance expectations accordingly. The most important thing is that you communicate with me!**

* All assignments due on a given day are due at the start of class.
* **Late class and homework may be accepted for reduced credit (one day following the due date with a 25% deduction. After two school days, 50% deduction. Work not turned in by the exam is worth 0%.) All late work must have a late work pass attached. Labs or projects that are presented or graded in class are due ON those days and will NOT be accepted for late credit once the answers have been discussed in class.**
* Absent work is accepted according to the policies below and those listed in the family handbook. It is the student’s responsibility to turn in missing assignments. A student will receive one day per each day they were absent to make up an assignment. Students should first email the teacher for work missed during the absence and not try to delay the start of class by asking about it at the beginning of class. The teacher may be able to provide video links for concepts discussed in class so you are not behind upon return. Just because you may not have work that is due doesn’t mean that nothing happened in class while you were gone!
* Missed tests/quizzes need to be scheduled upon return to school.
* Labs must be made up after school, by appointment, within 1 week, or they will be considered late; however, the teacher reserves the right to give an alternative lab assignment if necessary.
* If the student has an **excused** absence, it is the **students’ responsibility** to retrieve the assignments, notes, etc. by checking with a peer or the location recommended by the teacher (class website or Infinite Campus).
* If the student was present when an assignment was given, but absent the day the assignment is turned in, **the assignment will be due the day the student returns to school**. An absent pass must be attached.
* If a student was present when a long term assignment was given, the due date stands even if a student is absent during the duration of the assignment.
* If an assignment is due on turnitin.com, it is due at that time even if the student is absent that day.

**COURSEWORK**

**Semester I**

Study of matter

Atomic theory

Density

Periodic table

Bonding & nomenclature,

Moles

**Semester II**

Chemical reactions

Gases

Stoichiometry

Solutions

Acids and Bases

1. **Tests & Quizzes:** Exams will consist of multiple choice questions, experimental design, graphical analysis & free response questions (short and long answer). Vocab quizzes are matching. All exams and quizzes are cumulative for the entire semester.
2. **Laboratory Work:** Labs will be conducted throughout the year during traditional and block days. Lab write-ups include both formal & informal write-ups and are to be completed individually NOT as lab groups. Labs are typically due one week after completion of the lab.
3. **Outside Class Learning:** Students are expected to keep up with the assignments for the current unit, in particular reading of assigned chapter sections in the textbook.

**Honors Chemistry**

**Syllabus Acknowledgement 2018-2019**

Please make sure the information in both the Parent and Student Portals in Infinite Campus is correct and up to date through your account as it will be the primary source of contact. Please print clearly. Thank you for your time.

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Nickname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

Birthday: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List any medical conditions or allergies: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Do you have computer with internet access at home? Yes or No

Do you have a smartphone that you are allowed to use at school? Yes or No

-If YES, are you allowed to use cellular data for occasional in-class research? Yes or No

1) Parent/Guardian Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Relationship: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide best email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide preferred phone # for contact during a workday: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Parent/Guardian Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Relationship: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide best email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Provide preferred phone # for contact during a workday: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Photo Release**

Throughout the course of the year your student will participate in activities such as laboratory activities, science research presentations, and field trips that I would like to document and share with you via the class website. Please check your choice below. Thank you for your continued support.

\_\_\_\_\_\_ Permission authorized \_\_\_\_\_\_ I **DO NOT** authorize permission

Parent/Guardian Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_

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I acknowledge that I have read and understand the course syllabus for Honors Chemistry. I agree to abide by the rules, policies, and procedures listed within. I understand if I have any questions or concerns regarding the class grade, content, or policies that I should contact Mr. May immediately.

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Student Signature Print Name Period

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature Print Name

Getting to know you!

Last science class taken: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: A B C D F

Last science teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Last school attended: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Who do you live with? Both parents Mom Dad Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is your favorite movie? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is your favorite book? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please answer the following questions in detail:

1. Tell me how **you** learn best. Give examples from your past school experience and previous science classes. Some questions to think about: What type of class keeps you interested (notes, labs, and discussions)? Do you study for tests in groups or alone? Do you work on your homework with distractions around or in a quiet area? Do you like to sit at the front of the classroom?
2. How do you feel about science in general? Have you had any really positive or negative experiences with it? What is your favorite scientific category or subject?
3. Have you thought about your plans after high school? If so, what are they?
4. Is there anything that you would like me to know as we start the year?