DP Chemistry I

Ms. Perry

Signal Mountain Middle/High 2016 – 2017

HOW TO CONTACT ME

* Email: [perry\_erin@hcde.org](mailto:perry_erin@hcde.org)
* Phone: (423) 886-0880 ext. 265
* ManageBac
* Tutoring available during directed studies. Contact me if you need additional times.

CLASS MATERIALS

**Required\***

* 1 or 2 bound composition books
* College-ruled filler paper
* Pencils
* Black or blue pen
* Binder (may combine)
* Page dividers/stick on tabs
* StudyBlue app/account

\*Textbooks may stay home, unless I say otherwise.

**Recommended\*\***

* Highlighters or colored pens
* Calculator
* Smart phone or tablet
* Remind101
* Socrative app

\*\*We have class sets of calculators and laptops, or students may bring their own devices.

ROOM 2239 CLASS PROCEDURES

**Procedures**

* With permission, you can sign out of class on the “Sign Out” sheet.
* Laptops can be used if you sign the “Computer Log”.
* Graded work will be available to get in your designated folder in the file boxes.
* Coursework will be turned into the appropriate trays.

**Expectations**

1. Come to class prepared.
2. Be in assigned seat before bell rings & begin completing bellwork which has allotted amount of time.
3. Respect everyone & everyone’s possessions.
4. Food/drink spills MUST be cleaned up or this privilege is taken away.
5. Work or study until I say you can pack up to leave.
6. Work not finished in class is homework unless otherwise stated.

**Coursework**

* You will have an allotted amount of time to complete tests.
* Coursework will be graded and returned within a week after submitting.
* You may complete test corrections to earn back half the points you missed within a week of receiving your graded test.
* Tests will NOT be curved.
* This course will be taught as higher level, but you may opt to take the standard level final IB exam if you wish.

CONSEQUENCES

1. Warning
2. Detention
3. Parent contact
4. Office Referral

Serious offenses may not follow this protocol.

GRADES

50% Tests / Projects

35% Daily work / Quizzes

15% Lab Work

Class progress reports are sent home every 3 weeks, and report cards will be sent home 4 times throughout the year. Parents and students are strongly encouraged to check the PowerSchool Portal on a weekly basis to view the most current grades. Don’t ask for extra credit!

LATE / INCOMPLETE WORK

* Missing Work board, No Name board, and Absent binder are resources to HELP you make sure your work is turned in.
* If tardy, it is your responsibility to get material missed without disrupting class. Unexcused/undocumented tardies will have late penalties on missed work.
* 5% deduction on coursework turned in without a name.
* 10% deduction for each school day late. A “Late Work Excuse” page will be filled out to document. After 3+ school days late, you get a 0 & the assignment will no longer be accepted. A “Take a Zero” page will be filled out to document.

ABSENTEE POLICY

* YES, WE DID SOMETHING IMPORTANT WHILE YOU WERE ABSENT. It is the student’s responsibility to check the absent binder and class calendars to find any assignments missed.
* You have 5 days to complete makeup work.
* Unexcused absences receive additional 10% off makeup work & coursework that was due.
* Assignments that were due day(s) you missed, are due the day you get back, including all assessments.
* If you missed a lab, get sample data from me to put in your notebook, and still complete all lab work as normal.

TECHNOLOGY

* No devices out during class activities unless otherwise stated.
* We will be using Remind101 for reminders, Socrative for quizzes, and StudyBlue to create study materials.
* All cellphones must be in the designated basket in order to take tests.
* You can listen to music with ear/headphones while doing individual work.
* Inappropriate cellphone use-
  + 1st offense: confiscated for the day
  + 2nd offense: confiscated for 10 days
  + 3rd offense: confiscated for 20 days
  + 4th offense: confiscated for rest of school year

APP REGISTRATION

**StudyBlue**

* Create an account with your email & name
* Choose “I’m a student”
* School: Signal Mountain Middle High School
* Class: Chemistry
* Instructor: Perry
* Finally, the free version works just fine!

**Socrative**

Use PERRY4153 as our class code when we do activities with this app/website.

PLAGIARISM & CHEATING

If I catch you using other people’s work as your own, you will get a 0 and administration will be notified. Assume that plagiarism-seeking software can be used on anything turned in to ManageBac.

**EXTENDED ESSAYS & FINAL EXAMS**

You will not have any state or IB standardized tests in this class this year. However, all tests I give will be in the format of an external assessment. You will be beginning the External Essay process by the end of the second semester. Mr. Raynolds will officially be your advisor; however, I will assist you as well.

COURSE DESCRIPTION

This course will focus on the topics covered in Chemistry I; however, each topic will be extended to a much higher level.

LABORATORIES

* Pre-lab assignments will be given 1 week ahead & are due day of lab.
* Typed lab reports are due 1 week after lab.
* All pre-lab assignments & data collection will be written in a bound composition notebook with a blue or black pen.
* Serious lab safety offenses could result in 30% deduction on final lab report grade.
* If you are not properly dressed the day of lab, you will have to do an alternate assignment.

ATOMIC STRUCTURE

August 11 – August 29

* Nuclear Atom
* Electron Configuration
* Electrons in Atoms

PERIODICITY

August 30 – September 21

* Periodic Table
* Periodic Trends
* First-Row d-Block Elements
* Colored Complexes

CHEMICAL BONDING & STRUCTURE

September 22 – November 9

* Ionic Bonding & Structure
* Covalent Bonding
* Covalent Structures
* Intermolecular Forces
* Metallic Bonding
* Further aspects of Covalent Bonding & Structure
* Hybridization

STOICHIOMETRIC RELATIONSHIPS

November 11 – January 18

* Introduction to Particulate Nature of Matter & Chemical Changes
* Mole Concept
* Reacting Masses & Volumes

ENERGETICS / THERMOCHEMISTRY

January 20 – February 22

* Measuring Energy Changes
* Hess’s Law
* Bond Enthalpies
* Energy Cycles
* Energy & Spontaneity

CHEMICAL KINETICS

February 23 – March 31

* Collision Theory & Rates of Reaction
* Rate Expression & Reaction Mechanism
* Activation Energy

EQUILIBRIUM

April 1 – May 3

* Equilibrium
* Equilibrium Law