

Dougherty Valley HS
Chemistry in the Earth System – 2021- 2022

Mr. Schnell

www.chemistryrocks.net

Welcome to Chemistry! This class is hard work and can be fun at the same time. This course follows the school district and state standards in Chemistry. I look forward to working with you this year and helping you to learn Chemistry! Please take the time to read this syllabus in its entirety as it is expected that you are familiar with, understand, and adhere to the information and expectations within. If you have any questions, please come ask! Also, please do not forget to sign the last page and have your parent or guardian sign, as this is a required assignment. You will not be able to participate in any lab experiments until you have returned the signed page. **You will need to obtain a NON-GRAPHING SCIENTIFIC CALCULATOR. Graphing calculators will not be allowed during any assessment. There are calculators available in class as well. You must use the teacher provided calculator during all quizzes and exams. You will be able to use this calculator every day in class so that you know how to use if for assessments. It is your responsibility to practice with the class calculator, so you know how to use it.**

Course Description: Chemistry in the Earth System builds upon students' experiences in K-8 science and upon the 2016 Science Framework for California Public Schools chapter 7, to support all students in meeting the CA Next Generation Science Standards (NGSS). This lab-based physical science course incorporates earth and space science and engineering core ideas into the physical sciences. The course is rooted in student observation of phenomena and utilizes 3-dimensional instruction blending the Science and Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas. Students will work to investigate the six major themes in the framework; Combustion; Heat & Energy in the Earth System; Atoms, Elements, & Molecules; Chemical Reactions; Chemistry of Climate Change; Dynamics of Chemical reactions & Ocean Acidification.

CLASS RULE

Don't make anyone unhappy! That includes the teacher, your classmates, visitors, and yourself.

CLASS EXPECTATIONS

GENERAL:	EVERY DAY:	CLEAN UP:	EFFORT:
1) Safety	1) Jumpstart	1) Desks	1) Work
2) Respect	2) Lesson	2) Benches	2) Questions
3) Hard work	3) Clean up	3) Floors	3) Participate

MATERIALS

This class uses an "Interactive Notebook" which will use some specific supplies. If you cannot obtain the supplies for any reason, the supplies can and will be provided.

STRONGLY RECOMMENDED – Will be used in class	Highly suggested	Optional, but fun!
<ul style="list-style-type: none">Interactive Notebook (given to you in class)Colored pencils and/or skinny markersGlue stick NOT tape!!!Red ball point penNON-graphing scientific calculator*Small scissorsHighlighterBlack/ Blue pen AND two pencils	<ul style="list-style-type: none">Small rulerSmall pencil sharpener that can collect the shavingsSmall Post-it Notes	<ul style="list-style-type: none">StickersGlitter pensSmall envelopes

* I HIGHLY recommend the Texas Instruments "Ti-30x IIS". This is the calculator that I will be using in class, and I find it to be the easiest (and most logical) to use. You may use a different one but I am not familiar with how to use every calculator out there, and I may not know how to help you with it! Please note you are required to use the teacher provided calculator during all quizzes and assessments.

GRADING

Assessments: 30%
Extended Assignments: 20%
Short Term Assignments: 20%
Quizzes: 20%
Final Exam: 10%

NOTEBOOK – Composition Book

In this class we use an "Interactive Notebook." This notebook will be the single most valuable learning tool for you this year. This is where you will process, and work with the information you learn. Your notebook will be graded on a regular basis and will be a large portion of your class grade in the Extended Assignments category. There will be announced and unannounced notebook checks. It is expected that you put **SIGNIFICANT EFFORT** into your notebook. More information will be given about the notebook when we begin to use them. This is not simply a place to take notes!

HOMEWORK

Dougherty Valley High School will be following the District Homework Policy (AR 6154 and BP 6154), please see the Homework Policy on the District Website as well as the Dougherty Valley High School Web Site.

Please see the Dougherty Valley High School Webpage for the make up work policy. All homework assigned will be due at the start of the next class period unless otherwise noted. Not every homework assignment will be collected and graded. Some assignments are graded for accuracy, some for completion, and some will only have selected problems graded. If you have a legally excused absence, it is **YOUR RESPONSIBILITY** to find out what the missed class work and homework assignment(s) was and to complete it.

The homework assignments will be announced in class and can typically be found on Schoology: <https://www.schoology.com/>, or the class website: www.chemistryrocks.net. You get the number of days absent to complete missed work. **Homework assignments subject to change at teacher's discretion.**

HELPFUL WEBSITE

Please visit www.chemistryrocks.net for links to the notebook pages, class calendar, extra resources, etc.

QUIZZES and ASSESSMENTS

In-class quizzes include both closed note and closed book quizzes, and open-note quizzes. Quizzes are given mid unit and often after each unit. They may be announced or unannounced. Assessments may cover several units at a time. You get the number of days absent to complete any make-up assessments including quizzes and assessments. You get the number of days absent to complete any make-up quizzes and assessments unless it is an unannounced quiz on old material. If it is an unannounced quiz on old material, you will be required to take it the day you return since studying for it was not expected. If you were only gone the day of the quiz or the assessment, you will take it upon your return to school unless other arrangements have been made with the teacher in advance. Missed quizzes and assessments must be made up during class unless I allow you to make it up during Access Period. If you would like to make it up during Access Period, you must ask via email in advance so I can attempt to make arrangements. If you are absent for a quiz or assessment, you will be given a make-up version. It will cover the same material but can be different questions or a different format. Assessments will be announced in class and/or on School Loop. For test security purposes, cell phones or any other electronic devices (such as "smart watches") are not permitted on your person during an assessment. All electronic devices will be placed in a "cell phone holder" under the teacher's watch until the end of the exam. If you are found with an electronic device during the exam it will be assumed, it was used inappropriately, and you will receive a zero on the assessment and your Assistant Principal will be notified.

LAB ASSIGNMENTS

Lab assignments will be completed for homework and the teacher will give the due date. The formatting required sections and expectations will be explained when the report is assigned. Lab assignments are sometimes completed with lab groups but may require students to complete the entire assignment, or portions of the assignment individually. It is expected that you collaborate with your lab group either in person or electronically to complete the assignment. Assignments may be submitted via Google Classroom, printed, written by hand or uploaded to School Loop or Turnitin.com – the teacher will tell you how it will be submitted when it is assigned.

LABORATORY SAFETY FOR CHEMISTRY

By following certain respect and common-sense rules in the science laboratory, you can make the lab safe for both you and all others around you. We may perform experiments every class day. Be prepared. Lab Safety Rules and Safety Contracts will be covered the first two weeks of school. **You will not be allowed to perform a given experiment if any of the safety rules or any additional rules subject to teacher discretion are not followed. Safety means being prepared, dressed safely, and ready.**

TARDIES

Tardies are disruptive and may interrupt the progress of other students. Tardiness will be addressed in accordance with school policy as specified in the DVHS handbook.

TEXTBOOK

Modern Chemistry, CA Edition – Holt, Rinehart and Winston
Textbooks are available for all students in the textbook room attached to the library. There will not be any assigned reading or practice problems from the textbook, the textbook is simply a supplemental resource if students desire it. Required readings and problems will be provided by the teacher. Due to the textbook not being a required resource for homework or classwork, classes will not be going as a group to check out and return textbooks. Please feel free to go to the textbook room to check out a copy if desired. You are responsible for returning it to the textbook room at the end of the year. The student and the parents are held financially liable for lost, stolen, damaged or destroyed textbooks. Students are charged the full replacement cost for items lost or damaged, since the school must pay the full replacement cost. All outstanding bills must be cleared before yearbooks, schedules, report cards or textbooks are issued to a student.

EXTRA HELP

It is expected that students utilize the Access Periods to come see me for extra help. Passes must be obtained ahead of time to come during Access Period. Questions that can be answered via email will be returned within 48 hours not withstanding unusual circumstances. I will make myself available at brunch and lunch as often as possible, but this may not be a regular schedule.

ADDING TO THE CLASS AFTER THE START OF THE YEAR

Students who add to the class after the start of the year will have their grade from their previous chemistry class transferred as an equal percentage. For example – if you exit your old class with an 85.6% you will start your new class with an 85.6%. Your grade will be transferred regardless of if you transferred from another school, from one teacher to another teacher, or you transferred from an honors to regular level chemistry class or vice versa.

SCHOOL POLICIES & PROCEDURES – *All policies, procedures, rules, and disciplinary actions will be followed from the DVHS Student Handbook. Please see the student handbook for further information.*

STAFF COMMUNICATION POLICY

Email is the typically the fastest and best way to reach me. As a guideline, any communication to staff, via email or telephone, should receive a response within 48 hours (excluding weekends and holidays). If there is no response within 48 hours, please email or call again stating this is the second attempt. The 48-hour guideline may be affected by illness, conferences, or technology problems.

LINE OF COMMUNICATION

Any questions or concerns regarding student progress in a class should be addressed through the following process per the student handbook:

1. Student communicating with teacher
2. Parent communicating with teacher
3. Parent/Student communicating with counselor
4. Parent/Student communicating with Assistant Principal
5. Parent/Student communicating with Principal

DOUGHERTY VALLEY HIGH SCHOOL GRADING POLICY

The DVHS grading scale for progress reports and quarter grades includes - and +. Grades on all assignments, assessments, and overall class grades are final, unless otherwise stated by Mr. Schnell. Please note that +/- grades do not have any effect on GPA's. Final semester grades, which colleges look at, do not use +/- to compute GPA. Only A, B, C, D, and F are used for final semester grades for GPA.

Dougherty Valley Grading Policy

Grade	Percent
A	93 & above
A-	90 - 92
B+	87 - 89
B	83 - 86
B-	80 - 82
C+	77 - 79
C	73 - 76
C-	70 - 72
D+	67 - 69
D	63 - 66
D-	60 - 62
F	Below 60

ACADEMIC HONESTY AND ETHICS POLICY

Cheating/Plagiarism/Violation of test procedures will not be tolerated. On test/quiz days, electronic devices must be powered off and placed in bags. All bags must be placed in the front of the classroom or in a space designated by the teacher away from students. Violations of academic ethics will be addressed according to the DVHS Student Handbook.

- Copying from another student
- Unauthorized collaboration on assignment
- Using unauthorized materials/resources (spark/cliff notes, cell phones, smart watches, calculators, etc.)
- Submitting an essay written in whole or in part by someone else as one's own
- Preparing an essay or assignment for submission by another student
- Copying an assignment or essay or allowing one's assignment or essay to be copied by someone else
- Using direct quotations, large sections or paraphrased material without acknowledgement
- Buying or selling essays or assignments
- Submitting whole or part of computer-generated documents or materials with or without minor modifications as one's own

Consequences for Academic Dishonesty will include appropriate disciplinary measures consistent with Board policy and the California Education Code and the DVHS student handbook. One or more of the following

consequences may occur and will be noted in students discipline file. Examples include, but are not limited to:

1. Parent /Guardian contacted by teacher
2. Referral to assistant principal for disciplinary consequences; parent/guardian will be notified.
3. Loss of all credit for the assignment or test with no makeup permitted.
4. Upon second violation of 2nd degree cheating within the same course, the student may be dropped from the class.
5. Monday School (3 hours)
6. Suspension from school

Please see the DVHS Student Handbook for complete list of consequences for 1st, 2nd, and 3rd Degree offenses.

DVHS EXPECTATIONS

All Students will...

- 1) Accept responsibility for your education, decisions, words, and actions.
- 2) Act in a way that best represents your school, parents, community and self to promote a safe, healthy environment in which to learn.
- 3) Be active in the school and community.
- 4) Maintain balance between academics, co-curricular activities and personal life.
- 5) Support your fellow students and their activities.
- 6) Respect cultural diversity, individuality, and the choices and rights of others.

DVHS SCHOOL-WIDE LEARNING OBJECTIVES

At Dougherty Valley High School, students will:

- Communicate effectively
- Become critical thinkers and problem solvers who support ideas with reliable evidence
- Practice integrity, honesty, and ethical behavior as a global citizen
- Be a responsible partner in the learning process
- Take ownership of individual growth

*This syllabus is subject to change at teachers' discretion.
You will be notified if there are changes.*

DONATIONS

Individual courses are no longer asking for/or collecting donations. Please support our class and your student(s) by donating to the DVHS Education Fund. More information can be found on the DVHS website under the "parents" tab at the top of the home page. Thank you for your continued support of DVHS academics!

Start of the Year Assignments

IMPORTANT For all Google Forms – You must be signed into your School Email Account to access them.

Syllabus and Safety Contract Acknowledgment Google Form

Read the syllabus and safety contract that are linked in the Google Form. You should do this with your parent/guardian. Fill out the Google Form to acknowledge agreement for both documents.

<https://tinyurl.com/jaxsyu2y>



Lab Safety Video and Q's Google Form

Watch a Lab Safety Video and answer the questions regarding what was covered in the video. You cannot perform any labs until you have earned 80% or higher on this assignment.

<https://tinyurl.com/47xbpsxa>



Get to Know You Google Form

Please help me get to know you a little bit! I will ask you questions about the classes you have already taken, the classes you are in now, hobbies, clubs, etc. Thank you for helping me get to know you!

<https://tinyurl.com/4hh89njw>



About Your Chem Class Video and Q's Google Form

In order to maximize our in class time, please watch this video about how we do things in my class, how the class website is set up etc. Watch the video, take good notes, answer the Q's.

Under construction

Sign up for Remind Messaging

I don't use this often, but it is good to have the option. You can use it through your cell phone number or email, it is a program that lets me message you without seeing your phone number or email, and without you seeing mine.

Send a text to

81010

College Prep Chemistry

Text this message

@dvrchem

Websites to Bookmark on your Computer and/or Phone

We will use these websites all the time – bookmarking is so helpful!

Mr. Schnell's Class Website

www.chemistryrocks.net



Mr. Schnell's YouTube Channel

<https://tinyurl.com/p2ky5sfh>



Some Nice Apps to Get

You do not need to get these apps for your cell phone, but they are nice to have! You can find lots of free versions of these for most models of smart phones!

A QR Code Reader App

The one built into the iPhone camera doesn't always seem to work, an actual app seems to be a more reliable option

A Periodic Table App

We won't be using our phones in class, but sometimes it is nice to have a periodic table app on your phone in case you are working somewhere and forgot your periodic table.

The Remind Messaging App

This is a lot easier to use than trying to use the browser on your phone.

A Scanner App that turns photos into PDFs

Very easy to use! Lets you take a photo and turns it into a PDF so when you upload it or email it, the document will be more readable.

Setting things up for your AP Chemistry Class

Supplies	
Three Ring Binder	<ul style="list-style-type: none"> I suggest getting a three-ring binder that will last you all year. I can't tell you exactly what size to get because it will partially depend on how big you write when doing your homework – some people may take more pieces of binder paper per assignment than other people! I usually suggest a 2" binder. Some people like getting a smaller one and then if they end up needing a larger one later in the year they just transfer stuff to a larger binder when they get to that point. Your first and last name needs to be clearly written on the outside of the binder in Sharpie, large enough for me to see it when I go to grade your notebook. I won't waste my time trying to figure out whose binder it is!
Dividers for your Three Ring Binder <i>(supplied to you)</i>	<p>Please label the dividers in the order below. The letters in parenthesis are the abbreviations I will use like page numbers on handouts you get this year. If you want to get your own dividers and add extra sections at the back that is fine, but these sections are required.</p> <ol style="list-style-type: none"> Reference (R) Current Packet (P) Old Packets (OP) Study Materials (S) Extra Paper (binder paper and graph paper)
Composition notebook <i>(supplied to you)</i>	<p>This is where we will do our warmups and our class notes. The formatting guidelines are given to you in your packet, and you will keep the guidelines handout in your three-ring binder in the Reference section. We will go over the guidelines as we do the first couple warmups and class notes.</p>
Lab notebook <i>(supplied to you)</i>	<p>Your lab notebook has special carbon copy papers in it. I collect the carbon pages to grade, and you keep the originals in your notebook to reference. You will not use the entire lab notebook this year, but you can keep it and use it in a future science class!</p>
Non-graphing calculator	<p>My favorite non-graphing calculator is a TI-30x IIs made by Texas Instruments. It works in a very logical way, is usually inexpensive, and can be found at stores like Office Depot, Staples, Target, Walmart, sometimes even drug stores or grocery stores. I will be using this kind in class and know how to help you with it. You can use another non-graphing calculator, but I may not know how to help you with it. Graphing calculators will not be allowed in class or during quizzes/tests.</p>
Sack of school supplies <i>(supplied to you)</i>	<p>These are the items I expect you to have with you in class every single day. If you would rather use your own set of colored pencils, or post-it notes, etc. please return the ones I gave you.</p> <ul style="list-style-type: none"> Glue, Red pen, Green pen, Pen/pencils, Highlighter, Post-it Notes, Colored pencils or markers, scissors.