

Welcome to Chemistry!



Mrs. Farmer

Contact Information:

SFARMER@SRVUSD.NET

925-479-6400

Communication



- E-mail: sfarmer@srvusd.net
- Phone: 925-479-6400
 - You will reach my Voicemail during class hours. I am not working from campus most days, so email is going to be faster response.
- Google Classroom, Infinite Campus, Class Website
- Usually respond within 48 hours... due to remote teaching response times may be a little slower than normal. Thank you for understanding!

Thank you for coming!!!

Thank you so much!



The Chemistry teachers would like to thank you so much for the generous donations that have been given to our classes so far.

Our program will benefit greatly from your contributions!

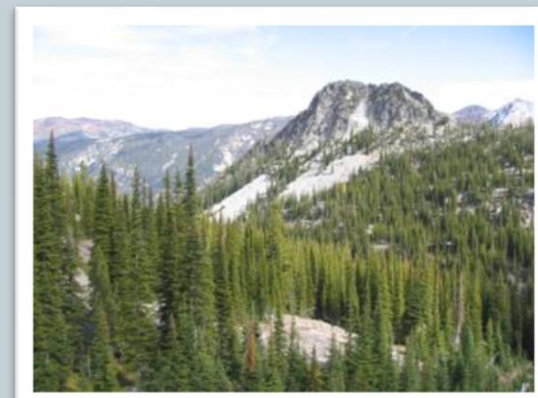
**Thank you for considering a donation to the
Dougherty Education Fund!**

<http://www.dvhigh.net/edfund>

Where I'm from...



- Raised in Half Moon Bay, California
- BA in Chemistry from Lewis and Clark College, Portland Oregon
- Masters in Inorganic Polymer Chemistry, University of Oregon, Eugene Oregon





Course Description



- One year class for students planning to attend a **four-year college or university.**
- Lectures, discussions, laboratory experiments, written work, presentations, research, etc.
- This course meets the state and district content standards for chemistry.

DVHS Chemistry Success

- **HARD WORK!!!**
- Commitment inside and outside of class time.
- Can be a bit of a shock for students...encourage them to just keep pushing forward!!!
 - They can ALL do it!!!
- Ask to look at their notebooks and work! Help them be accountable for their effort and take pride in their work.
 - Please!!!



Google Classroom



- Most common place for students to turn in work
 - Some specialty programs may automatically submit the work for the student (Pear Deck, Go Formative, etc)
- Links to Zoom meeting, and commonly used websites/documents/programs/etc
- May, or may not, be used for grading of assignments
 - Currently there are some “hiccups” with grading things in Google Classroom vs. Infinite Campus. Official quarter & semester grades will be in Infinite Campus no matter what! Will send email as soon as I know which system I will be using for homework scores. Thank you for your patience and understanding as we work out these tech issues! 😊

My Class Website

www.mychemistryclass.net

The graphic features a grid background with various chemistry-related illustrations. On the left, a distillation apparatus is labeled with parts: condenser, cooling water, round bottom flask, beaker holding chips, gauze, retort stand, and Bunsen burner. In the center, a scientist in a lab coat is shown with the text "i am a scientist". To the right, there are molecular orbital diagrams, a chemical structure of nitrochlorobenzene (a benzene ring with NO_2 and Cl substituents), and a crossed-out illustration of a student at a desk with books.

Mrs. Farmer's Chemistry Class Website

Home Calendar Notebook QR Code Videos Labs Resources About Your Chem Class Honors Chem About Mrs. Farmer

Welcome to your class website!

This is your Chemistry class website! Please use this website to find information about the class, learning resources, homework assignments, and files for downloading and/or

Announcements!

- Click [HERE](#) for the Regular Chem Syllabus
- Click [HERE](#) for the

The One Stop Shop



Welcome to Chemistry Class!

Hello! I wish I was meeting everyone in person, under normal circumstances this year. While I know this is not ideal, I am confident that we can make the most of it and still learn a lot along the way! I have hope that we will meet in person at some point! Please be patient and offer grace to me, to yourselves, to your families and friends as we learn to navigate this new routine together. I'm sure there will be bumps in the road, but please know I am trying my best to help, and to be there for you even if I am not there in person! Hopefully things will settle back to normal quickly!

Class Website
www.mychemistryclass.net











Regular Chem - Class Agendas

- This is your "One Stop Shop" for all of your chemistry work.
- I will do my best to link to the individual assignments and instructions.
- If I do not link the individual assignment, you can find it on the class website!
- Things will always be on the website. www.mychemistryclass.net
- PowerPoints, worksheets, instructions, Jumpstarts on the "Notebook" tab
- Mrs. Farmer's YouTube Channel -- on the "Resources" tab
- The YouTube links for lectures will also be on the last slide of the PowerPoint that I use.
- If it says KQO that means you need to add KQO boxes and Color Annotations for homework.
- Work is due by the start of the next class period unless otherwise stated.
- I will attempt to set the work up so you can get feedback either by a self grading assignment or comments written on the Google Assignment, etc.
- I will be checking emails and Remind App messages daily, but please realize the in-apparently I am now homeschooling my 7year old and my 4year old - yikes! may be **DO NOT HIT AND WORK AHEAD EVERYTHING ON THIS DOCUMENT IS SUBJECT TO CHANGE**

It is your responsibility to:

- Try your best.
 - I will be trying my best too! This is not my normal routine either :-)
- Check Google Classroom for updates and emails daily.
- Communicate with me in one of the following ways if you have questions, concerns
 - Email via Google Classroom
 - Remind app messenger "office hours" between 8am-9am, and 3pm-4pm, M-F
 - With either method please be patient for replies, I will reply as quickly as possible
- Be patient, flexible, take the "shelter in place" protocols seriously, and wash your hands

Frequently Used Links

<p>Class Website Home Page</p> 	<p>Google Classroom</p> 	<p>Peer Deck</p> 
<p>Regular Chem Notebook Tab</p> 	<p>Regular Chem Jumpstarts</p> 	<p>Regular Chem KQO Form</p> 
<p>Periodic Table</p> 	<p>Online Calculator</p> 	<p>Remind for Computer Browser</p> 
<p>Edgenuity Platform</p> 		
<p>Mrs. Farmer's Student Support Request Form https://forms.gle/wkRB1Jvc46LrU5ok1z</p>		<p>Mrs. Farmer's Student Support Sign In & Out Form https://forms.gle/8xFw6jnyhFqI48wC7</p>
<p>Breakout Room Exit Ticket https://forms.gle/7YKlqkEP9tyNaemns</p>		<p>ZOOM LINK ON GOOGLE CLASSROOM</p>

WEEK #2 - SINGLE PDF DOCUMENT TO PRINT FOR WEEK #2 (if possible)

Date	To Do List	Comments from Mrs. Farmer
Monday EVERYONE! 8/17	<ol style="list-style-type: none"> Weekly Check In Survey HERE Page 2 - Safety Work <ul style="list-style-type: none"> Online Safety Assignment Page 2 should have notes taken from reading the Safety Contract and from watching the Safety Video and doing the Online Safety Assignment. Page 9 - Left vs. Right Processing Activity <ul style="list-style-type: none"> Use the information from the front of the notebook, pages 4-11, to help you complete this assignment. Set up p.12 and p.13 - Unit Intro Pages <ul style="list-style-type: none"> These Unit Intro Pages do not need to be finished right now, you just need to read the instructions and get them set up! 	<ul style="list-style-type: none"> I will be asking you to fill out this survey each week. Please use this as a way to connect with me and set positive goals for yourself! I really do read these and I try to send you follow up emails if I see that we need to touch base! While I unfortunately don't think that we will be doing physical labs due to "Remote Learning" and/or Health and Safety Social Distancing rules in the classroom if we do get to be there in person, I want to make sure everyone is "ok" and to do lab work if possible at some point. Choose to put thought and effort into your work - take pride in what you do. I know that I am not there to do notebook checks, but hope you would choose to do your best even in what seems like these. That is all any of us can ever do...
Tuesday 1, 2, 6 8/18	<ol style="list-style-type: none"> Page 15 - KQO Types of Matter <ul style="list-style-type: none"> Remember - you do NOT need to copy every word of notes down! You should copy every word! There are way more words on the "PowerPoint" than you need to copy - remember that you can always retype the "PowerPoint" on the class website if you feel you need to add more detail! 	<p>ALL KQO NOTES must be annotated/highlighted/boxed up with at least THREE different colors - you need to make sure you are using color in a MEANINGFUL WAY not just scribbling the background! My research has shown that our brain responds to the color and we retain and process more information even if we don't like doing the color! This is not an optional part of the assignment!</p> <p>PAGE 14 - SKIP #2, 5, 7 SINCE WE COULDN'T DO THE MARSHMALLOW AND TOOTHPICK ACTIVITY THIS YEAR DUE TO BEING ONLINE TEACHING</p>
Wednesday 2, 4, 8 8/19	<ol style="list-style-type: none"> Page 16 - KQO Boxes <ul style="list-style-type: none"> Use pages 9, 10 and 11 in your notebook for info on how to do KQO boxes. Make sure you put your "TARGET" at the top in RED! (I can't - our brains respond differently to red so please use red! Targets are linked at the top of the notebook tab where you see the target symbol). Page 16 - Color Annotations <ul style="list-style-type: none"> Use a minimum of 3 different colors to add color annotations to your notes. KQO Notes Google Form <ul style="list-style-type: none"> Fill out the Google Form with what you put in your KQO boxes. Click HERE if you need help with your Level 1 or Level 2/3 questions. Page 14 - Types of Matter Worksheet <ul style="list-style-type: none"> If not possible to print, then hand write answers onto notebook pages. Answer HERE 	

Linked on both Google Classroom and Class Website!

In Class Warmup PowerPoints

Welcome!

Please spend the first 5 minutes of class doing these things before we start class!

General

- Get a snack, get comfy!
- Get your materials!
- Get focused!

Questions?

- Type them into the chat and I will try to answer during the Warmup time.
- Personal Q's? Email me!
- There will be Q time at the end of class too!

To Do

- Make sure you are muted!
- Check out the class website: www.mychemistryclass.net

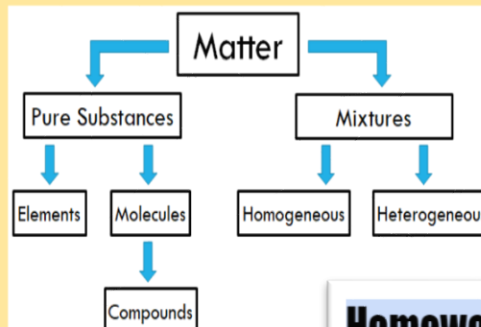
We will be using this class website all year long! While you wait for us to start class please take some time to look at it! You will be using

Agenda

This is the plan for today. following things are done

1. Attendance Procedure
2. Where to find the "One Stop Shop" Google Document for this class.
3. How to use the class website
4. How to set up your Interactive Notebook
5. Homework

A combo of substances that are well mixed and uniform



Homework

Please make note of these assignments and have them done by the next class period!

1. **"One Stop Shop" Google Doc** - everything that needs to get done each day! **USE IT!**
2. Page 14 - Types of Matter Worksheet
3. Page 15 - KCQ boxes, color annotations, KCQ Google Form

Remember

Links are on the One Stop Shop Google Doc and on the Class Website!


Linked on Google Classroom, the One Stop Shop and Class Website!

Examples of Possible Content Areas Covered



- Atomic structure
- Electrons
- Periodic Table
- Bonding and Structure
- Intermolecular forces
- Reactions
- Stoichiometry
- Thermochemistry
- Kinetics
- Equilibrium
- Nuclear Chemistry





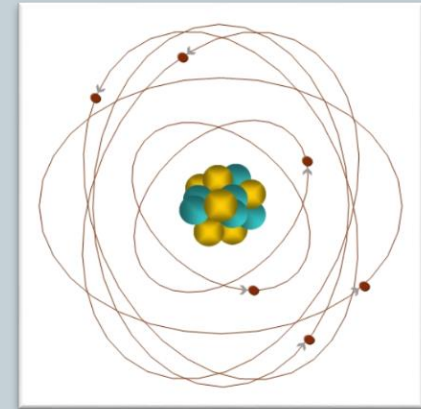
Dougherty
Valley High
School
Grading
Policy and
Homework
Policy

Aligned with the District and DVHS Grading Policy:

- No extra credit.
- I do not accept late work.
- There are no A+'s
- Grading scale is universal across the curriculum.
- District Homework policy found on the district website.

What's coming up???

- Atomic Structure
- The Periodic Table



Periodic Table of the Elements

oxford LABS

atomic number atomic weight

symbol: black solid white synthetically prepared

name blue liquid red gas

alkali metals
alkaline earth metals
transitional metals
other metals
nonmetals
noble gases

1 1.008 H Hydrogen	2 4.003 He Helium																
3 6.94 Li Lithium	4 9.012 Be Beryllium																
11 22.99 Na Sodium	12 24.31 Mg Magnesium																
19 39.10 K Potassium	20 39.10 Ca Calcium	21 44.96 Sc Scandium	22 47.88 Ti Titanium	23 50.94 V Vanadium	24 50.94 Cr Chromium	25 51.99 Mn Manganese	26 55.85 Fe Iron	27 58.93 Co Cobalt	28 58.93 Ni Nickel	29 63.55 Cu Copper	30 65.39 Zn Zinc	31 69.72 Ga Gallium	32 72.64 Ge Germanium	33 74.92 As Arsenic	34 78.96 Se Selenium	35 79.90 Br Bromine	36 85.47 Kr Krypton
37 85.47 Rb Rubidium	38 85.47 Sr Strontium	39 86.91 Y Yttrium	40 91.22 Zr Zirconium	41 91.22 Nb Niobium	42 92.91 Mo Molybdenum	43 95.94 Tc Technetium	44 101.07 Ru Ruthenium	45 101.07 Rh Rhodium	46 101.07 Pd Palladium	47 106.37 Ag Silver	48 112.41 Cd Cadmium	49 114.82 In Indium	50 114.82 Sn Tin	51 121.76 Sb Antimony	52 127.60 Te Tellurium	53 127.60 I Iodine	54 131.30 Xe Xenon
55 132.91 Cs Cesium	56 137.33 Ba Barium	57 138.91 La Lanthanum	58 175.05 Hf Hafnium	59 178.50 Ta Tantalum	60 180.95 W Tungsten	61 183.85 Re Rhenium	62 186.21 Os Osmium	63 190.23 Ir Iridium	64 192.22 Pt Platinum	65 197.04 Au Gold	66 200.59 Hg Mercury	67 204.38 Tl Thallium	68 208.98 Pb Lead	69 208.98 Bi Bismuth	70 208.98 Po Polonium	71 209 At Astatine	72 209 Rn Radon
87 223.02 Fr Francium	88 223.02 Ra Radium	89 223.02 Ac Actinium	90 223.02 Rf Rutherfordium	91 223.02 Ha Hassium	92 223.02 Sg Seaborgium	93 223.02 Bh Bohrium	94 223.02 Hs Hassium	95 223.02 Mt Meitnerium	(113)	(115)	(117)	(119)	(121)	(123)	(125)	(127)	(129)
58 140.12 Ce Cerium	59 140.12 Pr Praseodymium	60 140.12 Nd Neodymium	61 140.12 Pm Promethium	62 140.12 Sm Samarium	63 140.12 Eu Europium	64 140.12 Gd Gadolinium	65 140.12 Tb Terbium	66 140.12 Dy Dysprosium	67 140.12 Ho Holmium	68 140.12 Er Erbium	69 140.12 Tm Thulium	70 140.12 Yb Ytterbium	71 140.12 Lu Lutetium				
90 232.04 Th Thorium	91 232.04 Pa Protactinium	92 232.04 U Uranium	93 232.04 Np Neptunium	94 232.04 Pu Plutonium	95 232.04 Am Americium	96 232.04 Cm Curium	97 232.04 Bk Berkelium	98 232.04 Cf Californium	99 232.04 Es Einsteinium	100 232.04 Fm Fermium	101 232.04 Md Mendelevium	102 232.04 No Nobelium	103 232.04 Lr Lawrencium				

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