

# Welcome to Chemistry!



MRS. FARMER

CONTACT INFORMATION:  
[SFARMER@DVHIGH.NET](mailto:SFARMER@DVHIGH.NET)

925-479-6400  
ROOM 2212

# Communication



- E-mail: [sfarmer@dvhhigh.net](mailto:sfarmer@dvhhigh.net)
- Phone: 925-479-6400
  - You will reach my Voicemail during class hours. I return calls either at lunch or after school.
- Check School Loop and class website for updates  
Usually respond within 48 hours... I try to by the end of the school day.

*Thank you for coming!!!*

# School Loop



- Go to: <http://dvhs.schoolloop.com>
- Click on the “register” button.
- Fill in your information.
- Monitor your student’s progress in all of their classes.
- Email any of your students teachers whenever you have a question.

# Can you or your company donate???



**PLEASE consider donating to the Dougherty Education Fund!**

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

- Science supplies
  - Nitrile gloves
  - Chemicals
  - Old equipment or glassware
  - Old lab coats
  - Etc...
- Household supplies
  - Plastic ziplock bags – all sizes
  - Plastic spoons
  - Plastic cups

*Thank you!!!*

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!

# 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! Help them be accountable for their effort and take pride in their work.
  - Please!!!





# My Class Website



[www.mychemistryclass.net](http://www.mychemistryclass.net)

**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

*Hand-drawn details: A diagram of a distillation apparatus with labels: condenser, cooling water, round bottom flask, beaker, boiling chips, gauze, retort stand, Bunsen burner. A scientist in a lab coat with the text 'i am a scientist'. A chemical structure of 3-chloro-4-nitrobenzene with labels NO<sub>2</sub> and Cl. A crossed-out drawing of a student at a desk with books and a chair. A star icon.*

# Examples of Possible Content Areas Covered

- Atomic nature of matter
- Energy/Thermodynamics
- Chemical bonding
- Chemical reactivity
- Equilibrium
- Molecular geometry
- Chemical dynamics
- Intermolecular forces
- Solutions
- Electrochemistry



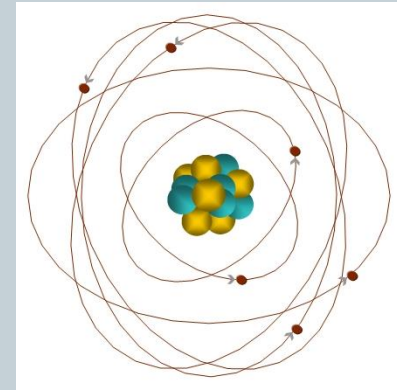


Dougherty  
Valley High  
School  
Grading  
Policy

- Aligned with the DVHS Grading Policy:
  - I do not offer extra credit.
  - I do not accept late work.
  - There are no A+'s
  - Grading scale is universal across the curriculum.

# What's coming up???

- Atomic Structure
- Nuclear Chemistry
- The Periodic Table



Periodic Table of the Elements

oxford LABS

atomic number      atomic weight

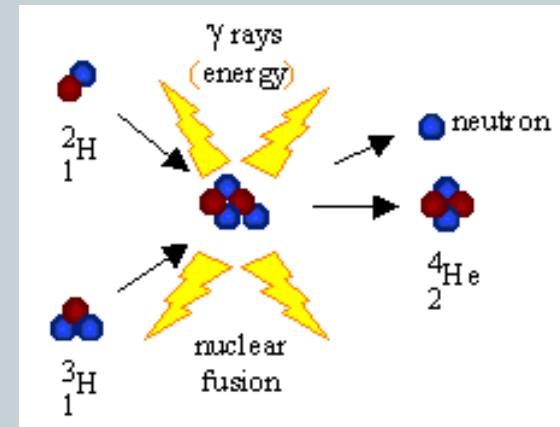
symbol:      black solid      blue liquid      red gas      white synthetically prepared      most stable isotope

name

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

1 1.01 H Hydrogen	2 4.00 He Helium																
3 6.94 Li Lithium	4 9.01 Be Beryllium											14 28.09 Si Silicon	15 30.97 P Phosphorus	16 32.06 S Sulfur	17 35.45 Cl Chlorine	18 39.95 Ar Argon	
11 22.99 Na Sodium	12 24.31 Mg Magnesium											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 83.80 Kr Krypton
19 39.10 K Potassium	20 40.08 Ca Calcium	21 44.96 Sc Scandium	22 47.88 Ti Titanium	23 50.94 V Vanadium	24 51.98 Cr Chromium	25 54.94 Mn Manganese	26 55.85 Fe Iron	27 58.93 Co Cobalt	28 58.93 Ni Nickel	29 63.55 Cu Copper	30 65.37 Zn Zinc	49 114.82 In Indium	50 118.71 Sn Tin	51 127.40 Sb Antimony	52 127.60 Te Tellurium	53 126.91 I Iodine	54 131.30 Xe Xenon
37 85.47 Rb Rubidium	38 87.62 Sr Strontium	39 85.47 Y Yttrium	40 91.22 Zr Zirconium	41 91.22 Nb Niobium	42 90.90 Mo Molybdenum	43 92.91 Tc Technetium	44 101.07 Ru Ruthenium	45 101.07 Rh Rhodium	46 106.42 Pd Palladium	47 107.87 Ag Silver	48 112.41 Cd Cadmium	81 204.38 Tl Thallium	82 208.98 Pb Lead	83 208.98 Bi Bismuth	84 209 Po Polonium	85 209 At Astatine	86 222 Rn Radon
55 132.91 Cs Cesium	56 137.33 Ba Barium	57 138.91 La Lanthanum	72 178.49 Hf Hafnium	73 180.95 Ta Tantalum	74 183.85 W Tungsten	75 186.21 Re Rhenium	76 186.21 Os Osmium	77 188.91 Ir Iridium	78 193.08 Pt Platinum	79 196.97 Au Gold	80 200.59 Hg Mercury	113 (113) Nh Nihonium	114 (114) Fl Flerovium	115 (115) Mc Moscovium	116 (116) Lv Livermorium	117 (117) Ts Tennessine	118 (118) Og Oganesson
87 223 Fr Francium	88 226 Ra Radium	89 227 Ac Actinium	104 (104) Rf Rutherfordium	105 (105) Db Dubnium	106 (106) Sg Seaborgium	107 (107) Bh Bohrium	108 (108) Hs Hassium	109 (109) Mt Meitnerium	110 (110) Ds Darmstadtium	111 (111) Rg Roentgenium	112 (112) Cn Copernicium						
58 140.12 Ce Cerium	59 140.91 Pr Praseodymium	60 140.91 Nd Neodymium	61 141.92 Pm Promethium	62 150.37 Sm Samarium	63 151.96 Eu Europium	64 157.25 Gd Gadolinium	65 158.93 Tb Terbium	66 162.50 Dy Dysprosium	67 164.93 Ho Holmium	68 167.26 Er Erbium	69 168.93 Tm Thulium	70 173.04 Yb Ytterbium	71 174.97 Lu Lutetium				
90 232.04 Th Thorium	91 231.04 Pa Protactinium	92 238.03 U Uranium	93 237.04 Np Neptunium	94 238.03 Pu Plutonium	95 244.06 Am Americium	96 244.06 Cm Curium	97 247.07 Bk Berkelium	98 251.08 Cf Californium	99 252.08 Es Einsteinium	100 257.10 Fm Fermium	101 258.10 Md Mendelevium	102 259.10 No Nobelium	103 261.10 Lr Lawrencium				

Copyright © 2009 Oxford Labs



# Department Collaboration



- Collaboration with colleagues to develop curriculum
- Common pacing
- Formative/Summative assessments