

Chemistry Outline - Semester 1 - 2015-2016

	Tuesday 9/1	1 st Day K-9
1	Wednesday 9/2	-Syllabus/Signature Page (Go thru) -Respect/Responsibility/Signature Page (Go thru) -Getting to Know You... (due Monday) -Intro Sentence Stems (due Thursday) -Lab Safety/Signature Page -3 Signed papers due Monday -Math Review WS
2	Thursday 9/3	-Questions on Math Review (Go thru #7 and #8 – Factor Label) -Intro myself and student intro with sentence stems -Establish seating chart during intro -Show YouTube safety videos – Top 10 Rules of Science Lab Safety (7:36) & AGHS Lab Safety Rap (3:23) (In vids Folder) -Talk about safety equipment in room
3	Friday 9/4	-Book Check out (Book needs to be covered by Monday 9/16) -Math Review WS #9 and Metric Review on back -Go thru safety sheet (Start)
4	Tuesday 9/8	-Collect signature pages/Getting to Know You -Finish Safety -Demo Lab Equipment (in box) -Review Equipment (#1-25) -Assign Chapter 1 Reading
5	Wednesday 9/9	-Review Safety: Mark and Brenda WS -Quick equipment review -Assign drawers/wash (did in June) equipment/check in drawers -If time remains, students continue to read Ch. 1/take notes
6	Thursday 9/10	-Safety and Equipment Quiz -Exchange and Check Quiz -If time remains, students continue to read Ch. 1/take notes
7	Friday 9/11	-Demo Lab 1/Talk about Lab Write-ups 1) Bunsen Burner 2) Mass Object 3) Filter/Decant -Lab write-up through data table due tomorrow
8	Monday 9/14	-Lab 1 (write-up due Monday!) -Discuss how to finish a lab write-up
9	Tuesday 9/15	-Check to see that books are covered -Collect Lab 1 -Chapter 1 Reading Quiz (Check during video) -Exchange and Correct Quiz -15 min. Video on Measurement (World of Chemistry – 1 st Disk)

		-Start Notes on Significant Digits/Scientific Notation/Operations with Significant Digits - HW: Scientific Notation & Significant Digits WS #1 - Read 2.1, 2.2, 2.3
10	Wednesday 9/16	-Finish Notes on Significant Digits/Scientific Notation/Operations with Significant Digits - HW: Finish Scientific Notation & Significant Digits WS #1 Scientific Notation & Significant Digits WS #2
11	Thursday 9/17	-Questions on WS #1 & WS #2 -Review Scientific Notation & Significant Digits (Flip)
12	Friday 9/18	- Quiz: Scientific Notation & Significant Digits -Notes on Density - HW: Density WS
13	Monday 9/21	- Chapter 2 Reading Quiz -Letterman's "Will it Float" Youtube (2 minutes) -Questions on Density WS (#2-Factor Labeling) -KHDBDCM -Graduated Cylinder WS
14	Tuesday 9/22	-Hand out Density Lab – write-up thru data table due Tuesday -Demo Density Lab (need 100ml grad cyl, rubber stoppers, ethanol) - Read and notes Chapter 3
15	Wednesday 9/23	- Density Lab
16	Thursday 9/24	-Powers of 10 Video (15 minutes) -Water Demo (1 ml = 1 cc) -Discuss metric system -Time to work on Density Lab -Start Factor-Label (if time)
17	Monday 9/28	- Density Lab Due -Start Factor-Label - HW: Factor-Label WS I
18	Tuesday 9/29	-More Factor-Label -Do 4 and 5 together on Factor Labeling WS (can do rest for extra practice) - HW: Factor-Label WS II
19	Wednesday 9/30	-Review for Density/Factor Label Quiz (Flip Chart)
20	Thursday 10/1	- Density & Factor Label Quiz - Chapter 3 Reading Quiz
21	Friday 10/2	-Notes on Matter, Chemical and Physical Properties and Changes (Chemical & Physical Changes and Evidence of Chemical Change) -Bill Nye Chemical Reactions & Evidence of Chemical Reactions Vids
22	Monday 10/5	-Finish Notes on Matter, Chemical and Physical Properties and Changes

		-Unit 1 Review Packet
23	Tuesday 10/6	-Review for Unit 1 Test -Unit 1 Test Review – Chapter 1,2,3 Flip -Also need to study notes/vocabulary -Start Lab Write-up if Review is complete
24	Wednesday 10/7	-Test – Chapter 1, 2, 3 -Review Packet Due -Work on Lab Write-up
25	Thursday 10/8	-Chemical & Physical Changes Lab – Day 1
26	Friday 10/9	-Chemical & Physical Changes Lab – Day 2
27	Monday 10/12	-Chemical & Physical Changes Lab Due -Pass back tests and go thru -Start Writing Chemical Formulas (yellow periodic table, Writing Chemical Formulas Notes) -HW: Formulas WS (**NOT Acids Yet!**)
28	Tuesday 10/13	-Start notes on naming compounds (blue paper, naming compounds 1-15) -HW: Naming Compounds WS (**NOT Acids Yet!**)
29	Wednesday 10/14	-Naming Acids/Formulas for Acids -Add acid notes to back of blue sheet -Writing Formulas Notes w/Acids on Back -Naming Acids 1-12 -HW: Finish Acids on Naming Compounds WS & Formulas WS, Naming & Formulas WS
30	Thursday 10/15	-Naming Diatomics (I Brought Clay For Our New Home) -HW: Chemical Formula Writing WS/Compound Names and Formulas WS/Ion Fit Puzzles WS/Compound Naming Race WS
31	Friday 10/16	-Work day for Naming Compounds and Writing Formulas
32	Monday 10/19	-Notes on Balancing Equations -HW: Balancing Equations WS 1 and 2 (Fronts) -Review WS for Naming and Formulas Quiz (More Practice with Naming and Formulas)
33	Tuesday 10/20	-Review for naming and formula quiz (Review Formula Naming Quiz Flip) -Quiz: Naming and Formulas
34	Wednesday 10/21	-Finish notes on Writing Equations and Balancing!! -HW: Balancing Equations WS 1 & 2 (Backs)
35	Thursday 10/22	-Notes on Types of Reactions -HW: Finish Back side of Balancing Equations 1 & 2
36	Friday 10/23	Review... Balancing Race WS and Balancing Chemicals Equations/Word Equations WS (**Review for Balancing Quiz WS**) -Hand out Lab 5 and show how to set up Data Table, Background?

37	Monday 10/26	-Quiz: Balancing Equations -Hand out Lab 5 - Pre-lab write-up through and including both tables due next day
38	Tuesday 10/27	-Students ID reactants and put in 1 st table while I check to make sure students have pre-lab done, including both tables -Go through reactants, do part C equation, Demo Part C -Start Part A equations -Students write out and balance Part D for next day
39	Wednesday 10/28	-Lab 5, Day 1 – Chemical Changes and Equations -Finish Part A equations -Talk about calculation -Hand out Unit 2 Review Crossword Puzzle and second review sheet for Unit 2 (double sided)
40	Thursday 10/29	-Lab 5, Day 2 – Chemical Changes and Equations -Go through more lab equations, if time
41	Friday 10/30	-Demo water decomposition -Show Hindenburg Videos -Go through Reviews (talk about the mole/Avogadro's number) -Time to work on Lab
42	Monday 11/2	-Lab 5 Write-up due -Unit 2 Exam -Read and notes 10.1-10.3
43	Tuesday 11/3 End 1st Term	-Go through Unit 2 Exam -How big is a mole? (flipchart) -Intro to the Mole Video (in Google Drive Unit 3) -Mole Intro (flipchart) -Mole Intro examples -HW: Molecular Mass-Mole WS 1-3
44	Wednesday 11/4 (ER)	-More Mole Calculations Notes -HW: Finish 4-6 Molecular Mass-Mole WS and Conversion to Moles, Grams and Atoms WS
45	Thursday 11/5 (ER)	-More Mole Practice -HW: Mole Calculation WS (only if needed) / Moles, Molecules, and Grams WS / WS-Mole Conversions -Read and notes 10.4-10.5
46	Friday 11/6	-More Mole Practice -Review for Quiz
47	Monday 11/9	-Molecular Mass and Mole Conversion Quiz -Hand-out Lab 8: Hydrated Crystals/Pre-Lab Sheet -Lab Write-up (set-up through data table) Due Tuesday
48	Tuesday 11/10	-Chapter 10 Reading Quiz -Percent Composition and Hydrate Notes

		-HW: WS 7-3 Percent Composition & Empirical Formulas (A & B only) & Percent Composition WS
49	Wednesday 11/11	-Empirical and Molecular Formulas Notes -HW: WS 7-3 Percent Composition & Empirical Formulas (finish now!)
50	Thursday 11/12	-Check off lab write-up/pre-lab sheet -Demo Desiccator, go through lab changes, calculation 2b -Set up lab calculations
51	Friday 11/13	-Lab 8: Hydrated Crystals
52	Monday 11/16	-Work day for WS and Lab Write-up -HW: Empirical and Molecular Formula WS (2-sided)
53	Tuesday 11/17	-Review for The Mole Quiz (flipchart) -Lab 8 Due: Hydrated Crystals
54	Wednesday 11/18	-The Mole Quiz
55	Thursday 11/19	-Hydrate Formula Notes -HW: Molecular Formulas and Hydrates WS -Read and notes 11.1 & 11.2
56	Friday 11/20	-Mass-Mass Notes -HW: Mass-Mass WS #1
57	Monday 11/23	-Work day for all worksheets -HW: Mass-Mass WS #2, Mass/Mass Problems WS
58	Tuesday 11/24	-Work Day -Review for Quiz: Molecular Formulas & Stoichiometry WS
59	Monday 11/30	-Go through review before quiz -Quiz: Molecular Formulas & Stoichiometry (Empirical, Molecular, Hydrate, Mass-Mass) -Hand out Mass-Mass Lab – Write up through Data Table due tomorrow
60	Tuesday 12/1	-Prep Mass-Mass Lab -Calculations 1-3 together, show procedure
61	Wednesday 12/2	-Day #1 Mass-Mass Lab
62	Thursday 12/3	-Day #2 Mass-Mass Lab
63	Friday 12/4	-Day #3 Mass-Mass Lab -Review Sheet – Chemistry Review Stoichiometry
64	Monday 12/7	-Mass-Mass Lab Due -Go through Concepts in Motion at Glencoe.com (looks like back of reading quiz) -Reading Quiz 11.1-11.2 -Review for Exam
65	Tuesday 12/8	-Mole Exam -Read and Notes Chapter 4
66	Wednesday 12/9 (ER)	-Watch The Atom Video (15 minutes) -Sub-Atomic Particles Notes -HW – Sub-Atomic Particle WS #1

67	Thursday 12/10	- Bookwork – p.128-129 (39,42-47, 59, 60, 61, 66, 67, 70, 72) – check and collect as quiz grade
68	Friday 12/11	-Isotopes and Average Atomic Mass Notes - HW – Sub-Atomic Particles WS #2 and Average Atomic Mass Worksheet
69	Monday 12/14	- Bookwork – p. 128-129 (58, 62, 64, 68, 69, 73-78) – check and collect as quiz grade
70	Tuesday 12/15	- Chapter 4 Reading Quiz -Early Atomic Theory Video (6:35) (http://education-portal.com) -Early Research Demo w/worksheets (Show P112)
71	Wednesday 12/16	-Read 5.1 & 5.2 (Study Guide WS's) → Quiz Grade (-Early research web-quest WS (need computers!)) -Google: Chemworld Thinkquest -go to notes *Skip, do SG WS's instead -go to atomic structure) - HW: Sub-Atomic Particles and Energy WS #4 & #5
72	Thursday 12/17	-Start Quantum Leap Video (52 minutes) http://video.pbs.org/video/2167398185/ (-Finish Webquest, if needed)
73	Friday 12/18	-Finish Video -Neils Bohr: Line Spectra (Students copy from board) -The Bohr Model Atomic Spectra Video (8:41) (http://education-portal.com) -Demos (Lamps w/prisms and Flame tests) -ACT Prep Question – EC –Must indicate in reading where they found answers
74	Monday 1/4	-Fire Works Video (30 minutes) -ACT Prep Question Day (Discuss answers)
75	Tuesday 1/5	-Sub-atomic Review Flip (2 problems) - Sub-atomic Particles and Energy WS #4 & #5 (Do Together) -Read 5.3 – Complete Study Guide 5.3
76	Wednesday 1/6	-Electron Configuration Video (10:40) (http://education-portal.com/academy/lesson/electron-configurations-in-atomic-energy-levels.html) -Electron Configuration Notes -Start filling out configuration chart
77	Thursday 1/7	-Make notes on Periodic Table (Energy Levels, Blocks) -Continue Electron Configuration Notes -Finish filling out chart - HW: Sub-atomic Particles and Energy WS #3
78	Friday 1/8	-Start Periodic Table Lab
79	Monday 1/11	-Review with Sub-atomic Review Flip (#2) - Sub-Atomic Particles and Energy Quiz

		-Continue Periodic Table Lab
80	Tuesday 1/12	-Continue Periodic Table Lab
81	Wednesday 1/13	-Review -Finish Periodic Table Lab
82	Thursday 1/14	-Sub-atomic Test -Hand out Review Packet for Final Exam (Jill's too)
83	Friday 1/15	-Periodic Table Lab Due -Work on Review Packets
84	Monday 1/18	-Review Bingo (part 1, 1-25)
85	Tuesday 1/19	-Work on Review Packets -Do extra problems from bingo
86	Wednesday 1/20	-Review Bingo (Part 2, 26-50)
	Thursday 1/21	-Work on Review Packets -Finish Bingo
87	Friday 1/22	Final Exam (1, 2, Advisory and 3 in Block Schedule)
88	Monday 1/25	Final Exam (4, 5, 6, and 7 in Block Schedule)
89	Tuesday 1/26 End 2nd Term (ER)	(All periods meet, no advisory, noon release) *Finish final for those who need more time – all finished!! *Start Hunting the Elements movie (http://www.pbs.org/wgbh/nova/physics/hunting-elements.html)