

<b>Honors Chemistry</b>		
<b>Standards</b>	<b>Fall Semester</b>	
<b>Next Gen and Common Core</b>	<b>Topics Covered</b>	<b>Number of Days</b>
ETS1-3/ESS3-1/ETS1-1/ESS3-2/PS2-6 / HSN.Q.A. 1 / HSN.Q.A. 3	Chemistry and Society, Scientific Method, Efficiency and Ethics, Measurements - Units, Accuracy and Precision, Graphs ***Efficiency and Ethics Logic Based Arguments and Project Based Assessment	16
PS1-1/PS2-6/PS3-2	Properties of Matter, Physical Changes, States of Matter	11
ETS1-3/ESS3-1/ETS1-1/ESS3-2/PS1-1/PS2-6/PS3-2	Review and Exam	1
PS1-1/PS2-6/PS1-3/HSN.Q.A. 1 / HSN.Q.A.3	Gas Pressure and Gas Laws - Temp. Pressure. Amount - units *focus on calculations and analyzing numbers/variable relationships	10
PS1-1/PS1-8	Atomic Structure (include isotopes and ions, radioactive decay/half-life, and fusion in the sun)	11
PS3-5/PS1-1/PS1-3 / RST.11-12.2 / RST.11-12.3	Electrons in Atoms *LABS* -Families of Elements -Flame Tests - Extensive Lab Reports - Use background info to understand and interpret results	13
ETS1-3/ESS3-1/ETS1-1/ESS3-2/PS1-1/PS1-8/PS3-5/PS2-6	Review and Exam	1
PS1-1/PS1-2	Periodic Table and Trends	11
ETS1-3/ESS3-1/ETS1-1/ESS3-2/PS1-1/PS1-8/PS3-5/PS1-2/PS2-6/PS3-2/PS1-3	Review and Midterm Exam	6
<b>Standards</b>	<b>Spring Semester</b>	
<b>Next Gen and Common Core</b>	<b>Topics Covered</b>	<b>Number of Days</b>
PS1-3/PS2-6/PS3-5 / HSN.Q.A.1 / HSN.Q.A. 3	Types of Bonding, IMFs and Properties, Molar Mass and Percent Composition (mathematical computation, accuracy, units) Solubility (graphs), Review	29
PS1-3/PS2-6/PS3-5 / HSN.Q.A.1 / HSN.Q.A. 3	W4 Exam	1
PS1-2/PS1-4/PS1-7/PS1-5/PS3-4/PS1-6/ETS1.C / HSN.Q.A.1 / HSN.Q.A.3 / RST.11-12.2 / RST.11-12.3	Energy and Matter- Chemical Properties and Reactions, Equilibrium, Energy Transfer, Conservation Factors Affecting Reaction Rates, Concentration - Molarity and Molality, Review/ Extensive Lab Reports - Use background info to understand and interpret results	33
PS1-2/PS1-4/PS1-7/PS1-5/PS3-4/PS1-6/ETS1.C / HSN.Q.A.1 / HSN.Q.A.3 / RST.11-12.2 / RST.11-12.3	W5 Exam	1

ESS2-4/ESS3-5/ESS1. B/ESS3.D/ESS2. A/ESS3-6/ESS2. D/ESS2.C/ESS2-5 / HSN.Q.A.1 / RST.11- 12.2	Acids and Bases/Neutralization, Science Fair Projects (engineering/critical thinking/global problem solving), Climate Change Projects	15
All Year's Standards	Review and EOC	10