Chemistry							
September 2	Reading Schedule ON SITE	Lecture and Discussion Topics Course Description / Scientific Method	Supplemental Assignments	At Home Labs			
September 2	1 - 12	Course Description / Scientific Method Units of Measure - Converting Between Units					
8	12 - 21	Converting Between Unit Systems - Making Measurements					
10	21 - 30	Accuracy, Precision, Sig Figs - Using Sig Figs in Mathematical Problems					
15	31 - 36	Measuring Temperature - Experimentation and the Scientific Method					
16-21	37 - 43	Module 1 Review and Test Window					
22	44 - 54	Early Attempts to Understand Matter - Elements: The Basic Building Blocks of Matter					
24	54 - 62	Compounds - Abbreviating and Classifying Compounds					
29	63 - 69	Classifying Matter as Ionic or Covalent - Naming Compounds					
October 1	69 - 76	Classifying Matter as folio of Government - Naming Compounds Classifying Matter					
2-7	77 - 83	Module 2 Review and Test Window					
8	ON SITE	Chemistry Experiments and Demonstrations TBA					
13	84-98	Atomic Structure - Atomic Structure in More Detail					
15	98-106	The Nature of Light - The Electromagnetic Spectrum					
20	107-117	The Relationship between Frequency and Energy - The Quantom Mechanical Model of the Atom					
22	117-123	Building Atoms in the Quantum Mechanical Model - Abbreviated Electron Configurations					
23-28	124-131	Module 3 Review and Test Window					
29	132-143	Electron Configuration and the Periodic Table - Lewis Structures for Ionic Compounds					
November 3	143-148	Handling the Exceptions in Ionic Compounds - Electronegativity: Another Periodic Property					
5	149-155	Atomic Radius: Another Periodic Property - Lewis Structures of Covalent Compounds					
10	156-162	More Complicated Lewis Structures - An Application of Lews Structures					
11-16	163-171	Module 4 Review and Test Window					
17	172-184	Polyatomic Ions - Molecular Geometry: VSPER Theory					
19	185-192	Nonpolar Covalent and Polar Covalent Bonds					
23-27		Thanksgiving Break - No Classes					
December 1	193-197	Nonpolar Covalent and Polar Covalent Molecules - The Practical Consequence of Whether or not a Molecule is Plolar Covalent					
2-7	198-206	Module 5 Review and Test Window					
8		TBA					
10		TBA					
15		TBA					
17		TBA					
Fall Presentation Days	19						
Fall Q and A Days	18						
On Site Lab Days							
SPRING							
January 5	ON SITE	Chemistry Experiments and Demonstrations TBA					
7	207-213	Classifying Changes That Occur in Matter - Phase Changes					
12	214-220	The Kinetic Theory of Matter - Density					
14	221-231	Phase Changes in Water - Balancing Chemical Equations					
15-20	232-240	Module 6 Review and Test Window					
21	241-247	Three Basic Types of Chemical Reactions - Decomposition Reactions					
26	248-254	Formation Reactions - Incomplete Combustion Reactions					
28	254-268	Atomic Mass - Using the Mole Concept in Chemical Equations					
January 29 - February 3	269-275	Module 7 Review and Test Window					
4	276-281	Mole Relationships in Chemical Equations - Limiting Reactants and Excess Components					
9	282-286	Fully Analyzing Chemical Equations - Using Chemical Equations When the Limiting Reactant is Identified					
11 16	287-295	Volume Relationships for Gases in Chemical Equations - Mass Relationships in Chemical Equations					
16 17-22	295-303 304-312	Using Stoichiometry to Determine Chemical Formulas - More Complicated Experiments for Determining Chemical Formulas Module 8 Review and Test Window					
17-22 23	304-312 313-319	Acids and Bases - The Chemical Definitions of Acids and Bases					
25							
March 2	319-330 330-340	The Behavior of Ionic Compounds in Aqueous Solutions - The Reactions between Acids and Covalent Bases Molarity - Acid-Base Titrations					
March 2	ON SITE	Molarity - Acid-Base Titrations Chemistry Experiments and Demonstrations TBA					
5-10	341-348	Module 9 Review and Test Window					
11	341-348	Module 9 Review and 1 est window FLEX DAY					
15-19		Spring Break - No Classes					
15-19	349-354	Spring Break - No Classes How Solutes Dissolve in Solvents					
25	355-364	Solubility - Applying Stoichiometry to Solutions					
20	300-304	Solubility - Applying Stoichlometry to Solutions					

30	365-373	Molality - Boiling-Point Elevation	
March 31 - April 5	374-381	Module 10 Review and Test Window	
6	382-386	The Definition of Pressure - Boyle's Law	
8	386-393	Charles's Law - The Combined Gas Law	
13	394-398	Ideal Gases - Vapor Pressure	
15	399-409	An Alternative Statement of Dalton's Law	
16-21	410-417	Module 11 Review and Test Window	
22		TBA	
27		TBA	
29		TBA	
May 4		TBA	
6		TBA	
11		TBA	
13	ON SITE	Chemistry Experiments and Demonstrations TBA	
Spring Presentation Days			
Spring Q and A Days			
On Site Lab Days			