

Almont High School Chemistry Pacing Guide 2014-15

Months	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				JANUARY			
Week #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Semester 1	Unit 1 Introduction of Chemistry Making observations Chemical vs. Physical Properties Unit 2 Measurement and Calculations English vs. Metric Units Types of measurement: mass, volume, length, density etc. Scientific notation & conversions				Unit 4 ELEMENTS Element Names and Symbols Periodic Table and Periodicity Unit 5 NUCLEAR Parts of atom, Properties of subatomic particles Isotopes Introduction to Mole Concept				Unit 6 QUANTUM Development of Atomic Models Quantum model of the atom Light Spectrum Electron configuration				Unit 7 IONIC BONDING Octet rule Transfer of electrons Formation of ionic compounds names and formulas				Exam Review Unit 7 Cont. COVALENT BONDING Electroneg. Polar Molecules Molecular geometry Chemical Naming of covalent compounds Organic Chemistry			
Months	FEBRUARY				MARCH				APRIL				MAY				JUNE			
Week #	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
Semester 2	Unit 8 MOLES Review of Mole Concept Empirical/Molecular Formulas Unit 9 GAS LAWS Boyle's Law Charles Law Guy-Lussac's Law Ideal Gas Law				Unit 10 CHEMICAL REACTIONS Balancing chemical rxns Types of rxns Synthesis Decomposition Combustion Replacement Rxns Predicting Chemical Products				Unit 11 HEAT Heat of Vaporization Energy loss and gain in a chemical rxns				Unit 12 EQUILIBRIUM Change in enthalpy Change in entropy Unit 13 ACIDS and BASES Power of Hydrogen				Exam Review			