

## Honors Chemistry Year At A Glance

Q1	Q2	Q3	Q4
Nature of Science	Electromagnetic spectrum & applications	Types of Chemical Reactions	Gas Laws and calculations
Matter and Energy	Problems with wavelength, frequency, energy	Factors that impact reaction rate	Acids and Bases including calculations
Physical & Chemical Properties and Changes	Energy quantization at atomic level	Solution calculations	Chemical and Nuclear Reactions
Atomic Theory	The Periodic Table	Equilibrium	Half life and radioactive Decay
Structure of atoms	Writing/naming chemical formulas, molecular geometry	Stoichiometry including: empirical and molecular formulas, % comp, % yield, solids stoichiometry, limiting reactants	
Avg. atomic mass, atomic number, isotopes, dimensional analysis with element masses	Special properties of water		
	Bonding Forces		