Chemistry Pacing Guide		
SOL #	**NW1 - Topic/Unit**	**Suggested Time Frame**
CH 1	**Scientific & Engineering Practices** SI system, Scientific notation, Significant digits, Dimensional analysis	19 days and throughout the year
CH 2	**Atomic Structure** Historical models, atomic mass, isotopes, mass number, atomic number	9 days
CH 2	**Electrons in Atoms** Electron configurations, Quantum models	10 days
CH 2	**Periodic Table** Trends, Electronegativity, Shielding, Ionization Energy, Atomic Radii	7 days
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CH 1	**Scientific & Engineering Practices** SI system, Scientific notation, Significant digits, Dimensional analysis	Ongoing- Embedded in all SOLs
CH 3	**Ionic and Metallic Bonding** Transfer of electrons, ions, valence electrons	20 days
CH 3 & CH 6	**Covalent Bonding** Molecular geometry, sharing electrons, Intermolecular Forces	25 days
CH 3	**Chemical Names and Formulas** Nomenclature	imbedded
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CH 1	**Scientific & Engineering Practices** SI system, Scientific notation, Significant digits, Dimensional analysis	Ongoing- Embedded in all SOLs
CH 4	**Chemical Quantities** The mole, Avogadro's principle	20 days
CH 3	**Chemical Reactions** Balancing and classifying equations	10 days
CH 4	**Stoichiometry** mathematical chemical relationships	15 days
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CH 1	**Scientific & Engineering Practices** SI system, Scientific notation, Significant digits, Dimensional analysis	Ongoing- Embedded in all SOLs
CH 6	**States of Matter** Relationships between temperature, pressure, and volume, intermolecular forces affecting properties	5 days
CH 6	**Gas Laws** ideal gas law, Boyle, Charles, Dalton, Graham, Combined	15 days
CH 5	**Solutions** Molar concentrations, solubility, colligative properties	10 days
CH 7	**Thermochemistry** Enthalpy, heating curves, endothermic / exothermic, rates of reactions	8 days
CH 5	**Acids and Bases** pH and pOH, acid / base dissociation	5 days
CH 2	**Nuclear Chemistry** Half-lives, types of radiation	2 days