Conceptual Chemistry and Physics - Curriculum Map (Chemistry only)

**Note: This map is subject to change based on teacher discretion*

Unit Title	Content	Estimated timing
Safety	Introduction to Chemistry Laboratory Safety	1 week
Foundations	Law of Conservation of Mass Scientific Notation Reading Scales Significant Figures Dimensional Analysis Density	2 weeks
Matter	Solids, liquids, gases Physical/chemical properties and changes Classification of Matter (Elements, Compounds, Mixtures, etc) Particle diagrams	3-4 weeks
Atoms	Atomic Theory (History and Scientists) Atomic Structure (p^+, n^o, e^- in atoms, isotopes, and ions) Bohr Models Electron Configurations and Orbital Models	3 weeks
Periodic Table and Bonding	Metal vs Nonmetal Groups and Periods PT trends Ionic and Covalent bonds Lewis Structures Naming and writing formulas	3 weeks
Chemical Reactions and Moles	Balancing Reactions Types of Reactions Mole Concept Molar Mass Molar Conversions Basic Stoichiometry	4 weeks