First Nine Weeks

| SOL | Chapter | Suggested # Days | Resources & Technology |
|--|---------|---------------------|---|
| Ch 1 a-h Scientific Investigations Lab Safety Experimental Design Mathematical Manipulations (Dimensional Analysis) Metric Conversions Error Analysis Significant Figures Review/Test | 1-2 | 15 | SOL Lab Safety Powerpoint (DOE Website) Vernier LabQuests Graphics Calculators |
| SOL CH 2h Chemical and Physical Properties 5d phase changes Classification of Matter Mixture Separation Physical and Chemical Properties/Changes Fundamental Chemical Laws Review/Test | 3 | 10 | Discovery School Video: Properties of Matter Chromatography Lab |
| CH 1 i, 2 a-c, g, i Atomic Structure Historical Model of the atom Subatomic Particles, Nuclide Symbols Isotopes, Average Atomic Mass Radioactive Decay, Half Life Quantum Mechanical Model of Atom Atomic Emission Spectra Orbitals/Electron Configuration Review/Test. | 4-5 | 20 | Enhanced Scope and Sequence Isotope Tic Tac Toe M and M Nuclear Decay Activity Gas Discharge Tubes/Spectroscope Flame Tests Enhanced Scope and Sequence Atomic Structure: Periodic Table |
| Benchmark Test | | | |

Metro Nashville Chemistry Pacing Guide

G Orfield

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