

Suggested Experiment Order for:**Apologia (Wile) Exploring Creation with Chemistry, 2nd Edition****Note: Dr. Wile's text includes a number of experiments.**

Apologia Module	Page in text book	Suggested MicroChem Lab
1. Measurement and Units		
2. Energy, Heat, and Temperature		
3. Atoms and molecules	p. 88	3. Electrical Conductivity of Several Solutions
4. Classifying Matter and Changes	p. 113 p. 114	2. Melting Points, Supercooling 1. Paper Chromatography
5. Counting Molecules and Atoms in Chemical Equations	p. 137	7. Decomposition
6. Stoichiometry	p. 173	4. Mole Ratios
7. Atomic Structure		
8. Molecular Structure		
9. Polyatomic Ions and Molecular Geometry		
10. Acid/Base Chemistry	p. 335 p. 342 p. 345	13. Molar Mass by Titration 12. A Microscale Titration 14. A Buffer Solution
11. Chemistry of Solutions	p. 355 p. 359	5. Double Replacement Reactions 10. Solubility Product Constant
12. The Gas Phase	p. 386 p. 389	8. Boyle's Law 9. Charles's Law
13. Thermodynamics	p. 472	15. Reaction Rates: The Effect of Concentration
14. Kinetics	p. 479	16. Reaction Rates: The Effect of Temperature
15. Chemical Equilibrium	p. 517	11. PH and PH Indicators
16. Reduction/Oxidation reactions	p. 534 p. 542	6. Oxidation-Reduction 17. Electrochemistry: Galvanic cells