

Benchmarks and Competencies for Chemistry II

Week 1-3 (August 8-20) (Visualize atomic structure in terms of quantum theory)-Competency 1a-i

Week 4-5 (August 21-September 3) (Apply Redox reactions) Competency 8a-i

Week 5-9 (September 4-30) (Explain chemical bonding) Competency 2a-i

Week 10-13 (October 1-21) (Investigate chemical bonding/electrostatic attraction and repulsion) Competencies 3a-i

Week 14-16 (October 22-November 13) (Investigate uses of organic compounds) Competencies 10 a-e

Week 17-18 (November 14-28) (Explore structure of organic compounds) Competencies 10a-e

Week 19-22 (November 29-December 20) (Describe reactions of organic compounds) Competency 10a-e

Week 23-25 (January 8-29) (Explain physical properties of liquids and solids) Competency 3ea-b

Week 26-27 (January 30-February 13) (Describe intermolecular forces) Competency 3a-e

Week 28-30 (February 14-March 4) (Apply stoichiometric principles to reactions) Competency 4a-f

Week 31-32 (March 5-22) (Link the reaction [pathway to rate law) Competency 6a-d

Week 33-34 (March 23-April 6) (Explain chemical equilibrium expressions) Competency 7a-d

Week 35-36 (April 7-May 18) (Analyze nuclear changes in matter) Competency 9a-g