Regents Chemistry Syllabus ’18-‘19 (tentative)

E. Clinch

Week Dates Topics Assessment

1 3 – 7 September Introduction to Regents Chemistry none

 Class expectations

2 10 – 14 September Chemical/Physical Properties, Pre-Test

 Chemical/Physical Changes

3 17 – 21 September measurement, accuracy, Quiz: Chemical/Physical

 scientific notation, significant figures

4 24 – 28 September Atomic theory Quiz: Atomic Theory 1

5 1 – 5 October modeling atomic structure Quiz: Atomic Theory 2

 Bright line spectra, subatomic particles

6 8 – 12 October Lewis dot structures Quiz: Atomic Structure

 CFA

7 15 – 19 October Isotopic Calculations Unit 1 Test

8 22 – 26 October Intro to Periodic Table, none

Periodic Trends

9 29 October – Diatomics, Lewis Dots CFA

 2 November Ions/Ionic bonding

10 5 – 9 November Electronegativity, bond types Quiz: Bonding 1

 Polar/nonpolar

11 12 – 16 November Electronegativity difference, Quiz: Bonding 2

 Bonding, types of rxns

12 19 – 23 November Gold Pennies In-Class Lab In-Class Lab

13 26 - 30 November Types of reactions, balancing equations Quiz: Bonding 3

14 3 – 7 December Naming compounds, balancing Quiz: naming &

 Balancing

15 10 – 14 December Solutions, colligative properties Quiz: Molarity

16 17 – 21 December Solubility graph none

 24 – 31 December Break

17 1 – 4 January Solubility, Colligative properties Test: Solutions

18 7 – 11 January Gas Laws CFA

19 14 – 18 January Gas Laws Quiz: Gas Laws 1

20 21 – 25 January Regents Week/ final Gas Laws none

21 28 January – Stoichiometry: Mole Concept Test: Gas Laws

 1 February

22 4- 8 February Stoichiometry: Molar Roadmap Quiz: Mole Concept

23 11 – 15 February Stoichiometry: Calculations Quiz: Stoich 1

 18 – 22 February Break

24 25 February – Finish Stoichiometry Test: Stoichiometry

 1 March

25 4 – 8 March Thermodynamics/rxn graphs none

26 13 – 17 March Thermodynamics/Equilibrium Quiz: Thermo

27 20 – 24 March Entropy/LeChatelier’s Quiz: Rate of RXN

28 27 – 31 March Equilibrium/Acids & Bases Test: Equilibrium

29 3 – 7 April Arrhenius Acids & Bases CFA

 Electrolytes

30 10 – 14 April Tables K, L, M & Indicators Indicators Quiz

Titration/neutralization

31 17 – 21 April Alternate Acid/Base theories Quiz: Acid/Base 1

 22 – 26 April Spring Break

32 29 April – Oxidation-Reduction Test: Acid/Base

3 May

33 6 – 10 May assigning oxidation numbers Quiz: Redox half rxns

34 13 – 17 May spontaneous & nonspontaneous Quiz: Redox 2

 voltaic cells

35 20 – 24 May Organic Quiz: Organic

36 27 – 31 May Nuclear Quiz: Nuclear

37 3 – 7 June Review

38 10 – 14 June Review

39-40 12 – 23 June Regents Exams

**Calculating Your Quarter Average:**

20% Homework & Castle Learning 30% Tests

25% Quizzes 25 % Labs & lab quizzes