

Chemistry Syllabus 2016-2017

Mr. A. Piccolo, N260

Week	Topic/Unit	Coursework and Assignments Due	School-Wide Student Expectation(s) Met
1	<ul style="list-style-type: none"> Welcome Introduction to course and chemistry General review of basic principles Laboratory Safety 	~ Read and sign letters ~ Read Chapters 1 and 2 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Measurement Laboratory ~ Significant figure and scientific notation quiz	<ul style="list-style-type: none"> Effective Reader Respectful Person Collaborative and Cooperative Worker Self-Directed Learner
2-3	<ul style="list-style-type: none"> Atomic Structure 	~ Read Chapter 3 ~ Atomic Theory Timeline Project ~ Complete Vocabulary ~ Atomic Structure Quiz ~ Vegium Lab Activity ~ Pg. 86-89 #s 3,6,7,14,16,22 ~ Atomic Structure Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
4-5	<ul style="list-style-type: none"> Atomic Structure and Arrangement of Electrons 	~ Read Chapter 4 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Flame Test Lab Activity ~ Element Poster Project ~ Electron Configuration Quiz ~ Pg. 117-121 #s 22,23,24,27,28,30 ~ Electron Configuration Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
6-7	<ul style="list-style-type: none"> Periodic Table and Periodic Trends 	~ Read Chapter 5 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Periodic Table Lab Activity ~ Periodic Table Quiz ~ Density Trend on the Periodic Table Lab Activity ~ Pg. 155-159 #s 2,4,14,17,18,20,23,33 ~ Periodic Table Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
8-10	<ul style="list-style-type: none"> Chemical Bonding 	~ Read Chapter 6 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Molecular Model Lab Activity ~ Chemical Bonding Quiz ~ Pg. 194-199 #s 2,11,15,18,22,35,37,38a-c ~ Chemical Bonding Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
11-15	<ul style="list-style-type: none"> Chemical Composition and Chemical Formulas 	~ Read Chapter 7 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Nomenclature Quiz ~ Percentage Oxygen in KClO_3 Lab ~ Empirical Formula of a Compound Lab ~ Percentage Composition Quiz ~ Determining Empirical and Molecular Formulas Quiz	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner

The students, faculty, staff, and administration of Wilby High School will work cooperatively with families, members of the community, and the Board of Education to create a safe, welcoming, and academic environment which embraces, challenges, and nurtures the diverse talents, interests, and learning styles of all its students. All students will leave Wilby High School with self-respect, respect for others, knowledge, and 21st century skills necessary to become independent, intellectually curious, and self-fulfilled members of society.

		~ Pg. 234-239 #s 3,4,7,10,26,33,34,36, 37,38 Due 1/9/12 ~ Chemical Composition and Chemical Formulas Test	
16-19	<ul style="list-style-type: none"> Chemical Equations and Reactions 	~ Read Chapter 8 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Balancing Equations Quiz ~ Classifying Reactions Quiz ~ Precipitation in Double Replacement Reactions Lab ~ React and Balance Quiz ~ Pg. 269-273 #s 3,18,20,21,25,30,37,45,46 ~ Chemical Equations and Reactions Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
20-23	<ul style="list-style-type: none"> Reaction Stoichiometry 	~ Read Chapter 9 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Mass and Mole Relationships in Chemical Reactions Lab ~ % NaCl/KClO ₃ in a mixture Lab ~ Stoichiometry Quiz ~ Pg. 295-299 #s 2,5,6,10,11,17,26 ~ Stoichiometry Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
24-26	<ul style="list-style-type: none"> Gas Laws 	~ Read Chapter 10 ~ Complete Vocabulary ~ Vocabulary Quiz ~ Boyle's Law Lab Activity ~ Charles' Law Lab Activity ~ Gas Laws Quiz ~ Pg. 326-331 #s 1,2,5,7,12,18,19,21,26,29,32,33 ~ Gas Laws Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
27-29	<ul style="list-style-type: none"> Liquids and Solids 	~ Read Chapter 12 ~ Complete vocabulary ~ Vocabulary quiz ~ Phase Change Lab ~ LeChatelier's Principle Lab ~ Pg. 388-390 #s 1,2,6,9,13,27,34,35,36,37 ~ Liquids and Solids test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
30-33	<ul style="list-style-type: none"> Solutions 	~ Read Chapter 13 ~ Complete Vocabulary ~ Vocabulary quiz ~ Kool-Aid Lab ~ Molarity quiz ~ Dilution Lab ~ Pg. 420-422 #s 4,5,6,7,10,15-20,23-25,28-30 Solutions Test	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner
34-	<ul style="list-style-type: none"> Acids and Bases 	~ Read Chapter 15 ~ Complete vocabulary ~ Vocabulary quiz ~ Indicator Lab ~ Pg. 477-479 #s 1-5,8,11,13,14,26,31	<ul style="list-style-type: none"> Effective Reader Collaborative and Cooperative Worker Effective Problem Solver Self-Directed Learner

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