Chemistry Schedule
Summer 2017

Semester 1
SJB

Date	Topic	Chapter Reading	8:00 – 10:30	11:00 – 1:30	Assessments
Week 1					
6 / 19	Introduction Lab Safety Measurements Units & Density	1, 2	Introduction Lab equipment Lab Safety Test	Separation of Sand Mixture Density	***Sep. Sand Lab*** Lab Equipment HW Sig Fig HW
6 / 20	Elements & Compounds	3	Density Walk Density Practice	Elements Density of Sugar	Density HW Counting Atoms HW
6 / 21	Properties of Matter	5	Physical vs Chemical Properties	Physical Properties Walk	Phys/Chem Props HW Heat/Temp 1 HW ***Phys Prop Walk Lab***
6 / 22	Properties of Matter	5	**Exam 1** Common Chemicals	Separation of Lactose 1	Heat/Temp 2 HW ***Common Chem Lab***
6 / 23	Atomic Structure	4	Heat of Fusion History Chem Webquest	Separation of Lactose 2 Formal Lab Report	***Heat Fusion Lab*** ***History Webquest***
Week 2					
6 / 26	The Periodic Table	6	Subatomic Particles Calories in Food	Flame Test Chem History review	***Calorimetry Lab*** Isotopes/Ions HW ***Flame Test***
6 / 27	Nomenclature	7	Chem history review **Exam 2**	Nomenclature Naming practice	Naming Molecules Naming Ions HW Naming Ions Adv HW
6 / 28	Chemical Reactions	7	Chem Reactions Rxns practice	Types of Chemical Reactions Reactions review	Balancing Eqn 1 HW Balancing Eqn 2 HW ***Types Rxn Lab***
6 / 29	The Mole	8	Naming/Rxn review **Exam 3**	Molar mass Micromole Rockets	Molar Mass HW Percent Comp HW ***Micromole Rocket Lab***
6 / 30	Stoichiometry	8	Stoichiometry	Empirical Formula Lab Stoichiometry quiz	Stoichiometry 1 HW Stoichiometry 2 HW ***Emp. Formula Lab***
Week 3					
7 / 3	Final Review	9	Stoichiometry practice/review Carbonated Beverages	**Exam 4** Final Exam review	***Carb. Bev Lab***
7 / 5	Final Exam		Final Exam Review **Final Exam**	***Formal Lab Report due***	***Formal Lab***

Chemistry Schedule
Summer 2017

Semester 2
SJB

Date	Topic	Chapter Reading	8:00 – 10:30	11:00 – 1:30	Assessments
Week 1					
7 / 7	Introduction Electron Orbitals	10	Introduction Lab Safety The Periodic Table	Electron Configurations Line Spectra	Electron Config. HW Orbital Diagrams HW
7 / 8	Bonding	11	Atomic Line Spectra Bonding	Lewis Structures VSEPR Molecular Models	***Line Spectra Lab*** Lewis Structure HW VSEPR HW ***Molecular Model Lab***
Week 2					
7 / 10	Gas Laws intro	11	Review VSEPR	Exam 1 Ideal Gas Laws	Gas Laws HW The Ideal Gas Law HW
7 / 11	Gas Laws	12	Boyle's Law Lab Partial Pressure Density	Micromole Rockets Review Gas Laws Solutions PhET States of Matter	***Boyle's Law Lab*** Partial Pressure and Density HW ***Micromole Rockets***
7 / 12	Liquids	12	Vapor Pressure Water Melting/Boiling Point Curves	PhET solubility Paper Chromatography Lab Review Solutions	Solutions and Vapor Pressure HW ***Melting/Boiling Point Curves*** ***Paper Chromatography***
7 / 13	Equilibrium	13	Synthesis of Aspirin 1 Equilibrium	Exam 2 Le Chatelier's Principle Equilibrium Lab	Equilibrium HW ***Equilibrium Lab***
7 / 14	Acid/Base Chemistry	14	Synthesis of Aspirin 2 Acid Base Chemistry	pH scale	Acid Base HW ***Aspirin Synthesis***
Week 3					
7 / 17	Titrations	15	Titration practice Titration Lab	Review Acid Base Nuclear Chemistry	***Titration Lab*** Titration HW
7 / 18	Nuclear Chemistry	16/17	Exam 3 Nuclear Chemistry	PhET Nuclear Reactor Nuclear Chem. Applications	Nuclear Reactions HW
7 / 19	Organic Chemistry & Biochemistry	19/20	Organic Chemistry	Organic Chemistry Biochemistry	***Making Ice Cream*** Naming Organic Molecules HW Functional Groups HW
7 / 20	Final Review	18	Saponification Exam 4	Review Final Exam	***Soap Lab***
7 / 21	Final Exam		Final Exam	Formal Lab Report due	Formal Lab