

Chemistry 11
Unit 1
Safety in the Laboratory

Topic	Activities
Safety Equipment	Tour of the Lab reviewing where the emergency safety equipment is. A review of the operation of lab safety equipment. Read pages 1-5 of Student Workbook (SW)
Safety Hazards and Procedures	Review procedures to take in case of emergencies. Read pages 4-6 of SW.

Chemistry 11 Unit 2

Introduction to Chemistry

Topic	Activities
Units and Unit Conversions S.I. Units	Brief Explanation of SI units and multiples. A brief review of Scientific (Exponential) Notation.
Metric Conversions	Class explanation and examples of Metric Conversions. Read pages 16-21 of SW. Do Exercise 17 a-j on page 21 of SW. Hand In Assignment #1 – Unit Conversions
Density	Class review of density and density calculations. Read pages 24-25 of SW. Do Exercises 31-35 on page 26 of SW.
Significant Digits and Experimental Uncertainty	Class Explanation of Significant Digits. Define Accuracy and Precision. Read pages 26-29 of SW. Class Review of Reading Scales. Read pages 30-34 SW Class Explanation of Calculations involving significant digits. Read pages 37-40 SW. Do Exercises 57-58 on page 40 of SW. Hand In Assignment #2 – Significant Digits
Review and Test	Review and Test on Unit 2

Chemistry 11
Unit 3
Properties of Matter

Topic	Activities
Physical Properties of Matter	Define: Observation, Interpretation, Qualitative, Quantitative, Data, Experiment, Hypothesis, Theory, Laws, Matter, Chemistry, Physical and Chemical Properties, Malleability, Ductility, Lustre, Viscosity and Diffusion. Review the Phases of Matter. Read pages 41-46 SW. Do Exercises 1-6 on page 43 of SW.
Classification of Matter	Class demonstration of Classification of Matter. Class Notes on Classification of Matter. Read pages 49-52 of SW. Do Experiment 2C-Elements, Compounds and Mixtures
Physical Separation of Mixtures	Do Experiment on Methods of Physical Separation of Mixtures Read and Make Notes on pages 53-58 of SW.
Physical and Chemical Changes	Define Physical and Chemical Changes Demonstration of Physical and Chemical Changes Review of Phase Changes
Temperature-Time Relationships	Do Experiment 2A-Warming Behavior of Solid Paradichlorobenzene Read pages 60-61 of SW. Do Exercises 59-61 of page 61 of SW.
Review and Test	Review and Test of Unit 3