CHEMISTRY SYLLABUS 2013-2014

Pearson Textbook (replacement cost: $92)

Semester grades are weighted per the standard Jefferson Parish grading plan as follows.

1st and 3rd 9 Weeks– Tests=67%, Participation=33%,

2nd and 4th 9 weeks – Tests=50%, Participation=25% and Exam=25%.

In my class the following items are counted as Test grades: tests, quizzes, lab reports. All other grades (homework, classwork, class participation) are counted as Participation grades. ACT test prep is a major point of focus in this class leading up to the March 18 ACT test. You will be given a test grade based on your ACT score. Topic and Labs Covered during this course:

Class Procedures and Rules

Lab Safety

Measurement Lab

Measurement and Unit Conversions

ACT Pre-Test

ACT: The Four Step Approach to Taking the Science Reasoning Test

Time and Absorption Lab

Scientific Method, Experimental Design

Data Tables and Graphs

ACT: Tables and Figures

Properties of Matter: Mass and Volume

Mass and Change Lab

Comparing Units Lab

Mass and Volume Lab

Accuracy vs. precision

ACT: Analyzing Research Design

States of Matter

Molecular Kinetic Theory

ACT: Reading Research Summaries

ACT: The Science Vocabulary List (p. 429-432 from Masco’s Preparing for the ACT Mathematics and Science Reasoning)

ACT: Science Focus: Reading Conflicting Viewpoints Passages

ACT: Diagnostic Science Reasoning

Temperature and Heat

Icy-Hot Lab

Mixtures & Pure Substances (Elements and Compounds)

Sticky Tape Lab

Atomic Structure

Ions

Bonding

Gas Lab

Gases

Avogadro’s Hypothesis

Reactions

Nail Lab (Iron and Nitric Acid

Balancing Equations

Mole Concept

Acid Base Lab

Acids and Bases