Dear Parents and Students:

Welcome to Standard Chemistry! Chemistry is the study of the interaction of matter. Students who sign up for this course are usually interested in science and are planning to further their education in science. We will be spending approximately one week preparing to do safe laboratory work by learning the safety rules, signing a safety contract, and learning the names of the equipment we will be using. During that first week we will be testing the eyewash fountain and the safety shower.

During the semester we will be using the System International for all measurements and calculations. Remember that no number has any value without a unit. You might have 200.000 of something, but of what? dollars or insects?

With each chapter we will be completing a laboratory exercise based on the theory learned. The syllabus for the course follows.

1. Extensive laboratory safety section including a safety contact to be signed by students and parents.
2. Properties of matter.
3. Measurement in system S.I.
4. Significant figures.
5. Elements and compounds
6. Atomic theory.
7. Structure of the atom.
8. Periodic table
9. Ionic and covalent bonding
10. Writing and naming formulas.
11. Mass relations and the Mole concept
12. Chemical reactions.
13. Gas laws.
14. Acids and bases.
15. Organic chemistry

I can be reached by calling the school and leaving a message or by contacting me via email at cjensen@grsd.org

Grading Guidelines
All grades will be given on a point basis. You can convert your point grade to a percentage by dividing the top number by the bottom number and multiplying by 100.

The midterm and final are each worth 10% of your grade. You will be exempt from the final if you have a cumulative average of 93 or higher.

Chapter quizzes are worth between 50 and 100 points.

Homework will be assigned in the form of problem sets. One problem set will be assigned each week. Each problem set will be worth 20 points. Students are expected to read each chapter on their own.

Labs are worth 40 points- 8 points for the pre-lab and 32 points for the lab itself.

There is a class expectation grade that is worth a possible 135 points. This grade is based on meeting class expectations.

Use of Videos

Within the course, we will use multiple learning methods, including lecture, demonstration, activities, projects, internet research, and internet activities. We will also view several videos related to Chemistry including:

American Chemical Society videos
Selected episodes of *Mega Movers.*
Selected episodes of *Extreme Engineering.*
Selected episodes of *CSI.*
Selected episodes of *Numb3rs.*
Selected episodes of *The Universe.*
Apollo 13
Selected episodes of *The Planets.*
Selected episodes of *Bill Nye the Science Guy*
A Private Universe, Minds of Our Own
Dateline NBC "*The Deep Dive: One Company's Secret Weapon for Innovation*,"
Building Big "*Bridges*"
Selected episodes of *Mythbusters*
Selected episodes of *Dirty Jobs*
Selected episodes of *How's it Made*
Super Tools
Standard Deviants Physics
Selected episodes of *Modern Marvels*
Hindenburg Crash
Ceramic Engineering
Chem. Classics
String Theory
The Periodic Table
The Edison Effect
Asteroids Deadly Impact
Creation of the Universe
Eclipse of the Century
Exploring our Solar System
Journey Through our Solar System
Savage Sun
Stationed in the Stars
How Computers Work
Terror in Space
Universe 2001: Planets
The Planets, Stars and More
Einstein's Big Idea
The Life and Mind of Albert Einstein
Fun with Physics
Heat and Changing States of Matter
Lasers
Light
Simple Machines
Waves and Sound
Starting with Safety
Wood Technology

If parents/guardians have any concerns about any of these videos, they should list the videos they **do not** wish their child to view and return this signed slip by 9/14/08.

Videos you **do not** wish your child to view:

_____ _____

_____ _____

_____ _____

_____ _____

Parent/guardian signature Date

Course Expectations

1. It is expected that students will attend class every day.

2. It is expected that students will take responsibility for making up work missed due to excused absences. Missed work must be made up within three days of the student returning to school.

3. It is expected that students will turn in assignments when they are due.

4. It is expected that students will be in class and prepared to work when the bell rings. Students should come to class with a writing utensil, a notebook, and a calculator (Classroom calculators are available and students may burrow one before class begins). It is highly recommended that students have a TI-84 Silver Edition graphing calculator.

5. It is expected that students will treat all equipment used in the chemistry curriculum with respect. Equipment damaged by misuse will be replaced at the student's expense. Students must cover their textbooks and keep them covered throughout the school year.

6. It is expected that students will at all times follow all school rules, including, but not limited to, wearing ID's and not wearing hats.

7. It is expected that students will treat faculty, staff, visitors, and fellow students with respect. This includes: no inappropriate physical contact, no interrupting when others are speaking, no side conversations, and no derogatory comments.

8. It is expected that students will at all times do their own work and give credit when citing others' work. (See page 31, "Academic Honesty", of your Student Handbook)

We have read and understand the expectations for Mrs. Jensen's class.

_____ _____

Student's Signature Date

_____ _____

Parent or Guardian's Signature Date