

*Mrs. Thybulle CP Chemistry 1.104*  
*Roschell\_Thybulle@gwinnett.k12.ga.us*

**2009-2010 College Prep Chemistry Syllabus (Information Sheet)**

**Phone #:** (770) 806-3815

**Textbook:** Chemistry: Matter and Change. Glencoe/McGraw Hill, 2002. (A fee of \$54.99 will be assessed for any damaged or lost text)

**Class Materials/Requirements**

There is no science fee. Since there is no fee, you will be assessed for the breakage of glassware or equipment in the lab.

You will need to obtain a scientific calculator to use in class. Graphing calculators can be used but are not required. Calculators may not be shared during tests nor will they be provided for you.

You will need to bring a writing utensil (blue/black pens or pencil), paper, a three ring binder (at least 1.5 inch) with pockets, five or six dividers and your textbook to class **EVERYDAY**.

Before the tardy bell rings, read the board. The bellwork questions and instructions for the day are posted (get started right away, bellwork helps us review). Homework must be turned in before the 1<sup>st</sup> tardy bell. Any work turned in after the bell will be considered late and will not be accepted for FULL credit.

**Absences/Tardies**

You are considered tardy if you are not in the classroom when the tardy bell starts ringing. This rule will be strictly enforced. You are considered absent if you miss more than ½ an hour during the class period. Since class and laboratory work are not easily made up, try to be present everyday. If you are absent, and it's excused, it is **YOUR RESPONSIBILITY** to get any information and handouts the day you return at the beginning of the period. All information will be located in the make-up section in the room or look on your syllabus or ask someone.

You have one day for each day you are absent to make up the work if your absence is **EXCUSED**. If your absence is **UNEXCUSED** you cannot make up the work. All make-up work is to be completed outside of class. Field trips **DO NOT** excuse you from the lesson or that day's work. It counts like an excused absence.

- **LABS**—If you miss lab see the teacher about an alternate assignment to make up for the grade.
- **TESTS**—If you miss a test/quiz you may make it up before or after school within one week of the missed test/quiz. **NO EXCEPTIONS**, if you fail to make it up it turns into a zero. Missing the review day for a test/quiz does **NOT** excuse you from taking the test.
- **HOMEWORK**—If you were absent the day homework is collected it is due the day you return. **NO EXCEPTIONS**.

**Passes**

You should go to the restroom, and take care of other business during the time between classes and lunch. You will be given six passes each semester. You may use a pass to leave the class and to use the restroom (this includes locker, attendance, visiting another teacher, and restroom). **IF ANOTHER TEACHER REQUESTS THAT YOU BE OUT OF MY CLASS FOR**

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**ANY REASON, YOU MUST OBTAIN PERMISSION IN ADVANCE.** Failure to do so will result in an unexcused absence/AWOL.

In addition to the six passes discussed above you can also use your passes for **ONE** day late homework and lab work. Three passes that are unused can be turned in at the end of the semester to replace one low daily grade.

**Homework**

Homework will be collected at the beginning of the period weekly either (usually Friday), we will decide as a class. **Late homework is ONLY accepted one day late for 50% off or it can be turned in with a pass (still one day late only) to excuse the day late**—this will count for full credit with the one day late pass.

All homework must be labeled clearly with your first and last name and period.

**Grading**

35%	Major grades	Grading Scale:	A	100-90	
15%	Daily grades		B	89-80	
25%	Labs				
C	79-74		D	73-70	
5%	Midterm (Benchmark)				
20%	Final Exam (Performance/Benchmark)				F
69-0					

You will be graded for written assignments, projects, labs, quizzes, test, and performance /participation. All work should be turned in on time, because late or missing assignments can **SEVERELY** lower your grade. To keep track of your grade the teacher will post grades about every two weeks.

**CHEATING IS NOT TOLERATED IN THIS CLASS.** This includes copying homework/classwork assignments. Cheating will result in a zero for all parties involved.

**Benchmark Exams**

\*\* The School Board has instituted county-wide midterms and final exams. This necessitates that we cover the curriculum in the order specified by the county, so that students will be adequately prepared for the content of the test. It also means that students will need to take responsibility in keeping up with the pace of the course and that they will seek help when necessary, so they won't fall behind.

**Notebooks**

You should keep a notebook. Keeping a notebook will help you be successful in this class .

Listed below is my suggestion on how to keep it organized:

Section 1—Syllabus, Periodic Table, and Ion Sheet

Section 2—Bellwork (Current Bellwork)

Section 3—Notes (Class Rules and Information)

Section 4—Classwork and Homework

Section 5—Tests/Quizzes/Projects/Labs

Section 6—Passes

There are a lot of papers and notes to keep for chemistry that is why a three-ring 1 ½ -inch binder

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is recommended.

**Gateway Testing:**

All students must demonstrate knowledge of the Gwinnett County Academic Knowledge and Skills (AKS) Curriculum. Students will be provided a booklet listing each of these AKS by course at the beginning of the school year. Ninth graders enrolling in 1998-1999 and beyond will need to pass the Gwinnett County Gateway Exam over the AKS before graduation. The Gateway Exam will measure students' ability to write effectively about the science and social studies AKS covered in ninth and tenth grades. The exam will be administered in the spring of the tenth grade year. Students will have several opportunities to retake the exam if they are not successful the first time.

**Behavior**

Your success in this class is in your hands. I will provide you with the tools to succeed in this class and I expect you to work to the best of your ability to do well.

- Bring all necessary materials to class.
- Be prepared (read your syllabus)
- Follow instructions (both written and verbal)
- Stay on task (when you are not listening you miss the most important things)
- Respect the rights and properties of others (Your peers and teacher)

All students are responsible for all school policies found in the student handout that you signed at registration...

You are a young adult and are responsible for yourself and your behavior. That means that you act with respect towards anyone or anything with which you are involved. This of course includes students, teachers, other school personnel, furniture, lab equipment and school property. Because you conduct yourself in this manner, class is enjoyable and productive and you benefit greatly.

Responsibility and respect cover all the usual classroom rules...no sleeping, grooming, profanity, gum, hats, bare midriffs or tank tops (as defined in the student handbook), etc. Because you are quite familiar with the usual rules, those will not be repeated here.

**Consequences for Lack of Responsibility:**

1. reminder/warning/discussion with me
2. Appointment after school with me, working detention.
3. Parent Contact in addition to working detention
4. Referral to administration

**Policy Violation of Technological Equipment:**

Calculators may be used only at the teacher's discretion and only for the purpose specified by the teacher.

Students may be required to use departmental calculators at the discretion of the teacher.

Calculators may not be shared on tests or quizzes and/or at other times as designated by the

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teacher.

**Science Fair:** The science fair is usually held in the early part of December. If you are interested in participating please see me for further details. We will discuss this more in class.

**OutsideHelp:**

I am available before school most days from 6:30am to 7:25am as well as after school. I will tutor any students who may need help after school with **advance notice**. Please come for help if you are confused about any of the material presented. This is especially important in chemistry because the course work builds upon what has already been taught. If you get behind, it will be even harder to catch up. Science National Honor Society also provides free tutoring, if you are interested see bulletin board located between my classroom and Dr. Okor's classroom.

**Instructional Calendar:**

**First Semester**

<b>Topic</b>	<b>Time (weeks)</b>	<b>AKS</b>	<b>Chapter/Section</b>	<b>Pages</b>
Process Skills	All Year	1-7		
Matter/Measurement	4	8, 8a1,13, 13d	1, 2, 3	3-77
Atomic Structure/ Nuclear Chemistry	5	10a-10e	4, 5, 25	86-141, 804-834
Periodic Table	2.5	11	6, 7	151-204
Bonding	4.5	8b, 8c, 10f	8, 9	211-270
Chemical Equations	2	9, 9a, 9c	10, 11	277-341, 635-643

**Second Semester**

<b>Topic</b>	<b>Time (weeks)</b>	<b>AKS</b>	<b>Chapter/Section</b>	<b>Pages</b>
Process Skills	All Year			
Stoichiometry	5	9b, 9d, 9e	12	352-376
Solutions	2	14, 14a	15, 22.5, 26.2	452-482, 722-730, 850-854

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Acids and Bases	2	14b, 14c	19	594-628
Thermochemistry	3	13c, 13d	16, 24	488-522, 774-787
Equilibrium and Kinetics	3	12, 12a, 12b, 12c, 13a	17, 18	528-541, 558-563, 569-574
Gases	3	13b	13, 17, 26.1	384-446, 841-849

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## **Safety in the Laboratory**

The science laboratory is a safe place to experiment if you are careful. You must assume responsibility for the safety of yourself and your neighbors. Following are some safety rules to help guide you in protecting yourself and others from injury in the laboratory:

1. The science laboratory is to be used for serious work.
2. Do not perform experiments that are unauthorized. Always obtain your teacher's permission.
3. Study your lab assignment before you come to the lab. If you are in doubt about a procedure, ask your teacher for help.
4. Safety goggles should be worn whenever you work in the lab, unless your teacher directs that they are not necessary.
5. Gloves should be worn whenever you use chemicals that cause skin irritations or can be absorbed through the skin. Let your teacher know if you are allergic to anything you might come into contact with during lab.
6. Know the location of the fire extinguisher, safety shower, eye wash, and fire blanket. If needed, use the appropriate safety equipment provided for you.
7. Report an accident, injury, or incorrect procedure to your teacher at once.
8. If you spill acid or other corrosive chemicals, wash off immediately with a large amount of water and inform the teacher at once.
9. Never taste any chemical substance unless you are directed specifically by your teacher to do so. Never draw materials into a pipet with your mouth.
10. Smother fires with a towel. If clothing should catch fire, smother it with a blanket or coat. Never run to the safety shower if your clothing or hair is on fire, this fans the flames. Once the flames are out you can go to the safety shower.
11. Handle chemicals carefully. Check the label of all bottles before removing the contents. Do not return unused chemicals to reagent bottles.
12. Keep combustible materials away flames.
13. Handle toxic or combustible gases only under the direction of your teacher. Use the fume hood when handling such materials.
14. When heating a substance in a test tube, be careful not to point the mouth of the test tube at another person or yourself.
15. Use caution and the proper equipment to handle hot glassware. Hot glass looks just like cool glass and can give you a severe burn.
16. Place broken glass and solid substances in designated containers. Keep insoluble waste material out of the sink.
17. Know the correct procedure for mixing acid solutions. Always add the acid slowly to the water. Never add water to a large amount of acid.
18. Long hair should be pulled back. If you have long hair, keep an elastic band or "scrunchy" in your bookbag.
19. Avoid wearing loose, flowing clothing or open shoes during lab.

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**WebAssign Information:**

WebAssign is a national homework tool designed for college and high school students. You will need to use your home computer to do these homeworks. If you do not have access to a computer at home, you may use the computers in the media center or the classroom computer before or after school.

You will enter your answers into WebAssign and receive instant feedback on which answers are correct. You will also have 5 submissions per question, so you have 5 chances to score a 100 on each homework. If you encounter problems with the software before a homework is due, you must contact me at least 24 hours prior to the due date so I will be able to give you a hard copy to complete. Hard copy homeworks will only be graded once!

While there are benefits to using WebAssign, there is also a cost. WebAssign charges the school to use its program and we ask that students help out with that cost as well. We ask that each student contribute \$8.80. If this cost poses too much of a financial burden on a family, exceptions may be made. Students also have the opportunity to choose not to pay the \$8.80 and not enjoy the advantages of using WebAssign. If a student does not wish to participate, I will provide the student with a printout of their assignment and then collect it at the beginning of class the day it is due. Again, the hard copy homeworks will only be graded once. The 5 submissions is a luxury that WebAssign provides and if you choose not to use WebAssign, you choose to only have one submission.

**Useful webassign info:**

Web address: [www.webassign.net/login.html](http://www.webassign.net/login.html)

Username: your first name, dot, then your last name. For example, Isaac Newton would be "isaac.newton"

Institution: parkview.ga

Password: your student ID number (you may change your password once you log in)

When entering your answers, be sure to use the following guidelines:

- Do not use commas or spaces
- Always enter the correct significant figures in your answer
- When using scientific notation, use an "E". For example, "5.20 x 10<sup>3</sup>" should be entered as "5.20E3". The "E" may be capitol or lower case.

On this page is a checklist of the materials required for the class and a place for you and a parent/guardian to sign that you have read and understand the policies and procedures of this class and are therefore bound to follow these policies. Please sign and return this last page.

Thank you.

**Materials Checklist for Chemistry**

- ✓ Notebook Paper
- ✓ Blue or Black Pens or #2 Pencils (Benchmark exam require #2 pencils)
- ✓ Scientific Calculator
- ✓ Three Ring 1 ½ inch Binder with pockets
- ✓ Dividers (pack of five or six)

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**The following items are needed for the classroom but are not required. Anything you can bring is appreciated.**

- ✓ Box of Tissues (tissue is more gentle on the nose than toilet paper)
- ✓ Hand Sanitizer
- ✓ Liquid Soap (for hand washing)
- ✓ Dry Board Eraser

### **SYLLABUS AND LAB SAFETY CONTRACT**

I have read and understand the policies and procedures of this class. I therefore am aware that by signing this contract I am bound to follow these policies.

Student Signature \_\_\_\_\_

Date \_\_\_\_\_

Parent/Guardian Signature \_\_\_\_\_

Date \_\_\_\_\_

**PLEASE PRINT EMAIL ADDRESSES NEATLY...THANKS!!**

Parent email address: \_\_\_\_\_

Parent email address: \_\_\_\_\_

Other email address: \_\_\_\_\_