

How You Can Help Your Student

Please be involved in your child's studies. Learn about atoms and molecules either for the first time or all over again along with your child! The rewards for active participation in your child's education are hard to see now but will be more obvious on down the road, I assure you.

Here are some sites that might help:

- **A huge list of topics to improve your student's learning:**

www.chemistrycoach.com/linksto.htm

- **A huge list of chemistry tutorials:**

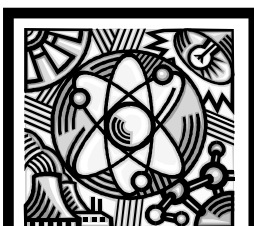
www.chemistrycoach.com/tutorial.htm

- **A well designed and put together AP website if they are looking to take AP next year:**

www.sciencegeek.net/APchemistry/index.shtml

- **A Chemistry forum to seek answers to tough questions in chemistry:**

<http://chemistry.about.com/mpboards.htm>



Science and Technology
work together to solve
the world's problems.

MR. SWANGO'S
CHEMISTRY
BROCHURE

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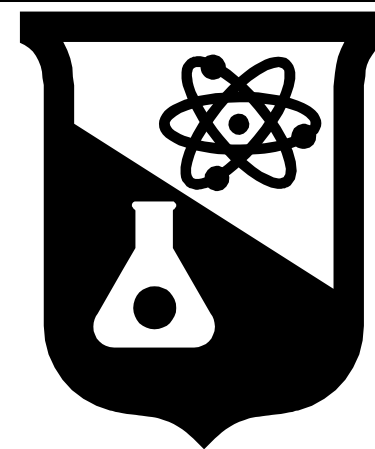
SCIENCE GEEK EXTRAORDINAIRE

**Dear Parents of Advanced
Chemistry students,**

**Welcome to your student's
Chemistry adventure. I hope
that you are ready to accept
your part of the challenge.**

**Your student is likely going to
need your help to be successful,
at the very least, as an
encourager.**

**I've tried to put together some
helpful tools for you to use to
help your student be successful.**



Advanced Chem

MR. SWANGO'S CHEMISTRY BROCHURE

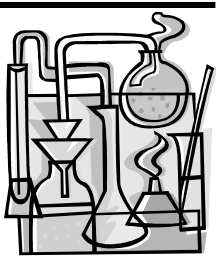
Some "Class" Notes:

Grading Scale

The grades in this class are weighted. The grade breakdown is as follows:

Homework	20%
Daily	15%
Lab/Activities	15%
Tests/Quizzes	50%

Labs are an essential part of this class. We will have somewhere between 9 and 12 labs this year. The labs are carefully chosen to coincide with the material being presented at that time. My goal is to help them build connections.



Online Resources

There are several sources online that we will make use of this year. Feel free to check each of them out.

Class Website :

<http://staff.fcps.net/jswango>

On the class website you will find several resources your student might find useful. Here you will find resources for class that your student has access to. I post lectures, handouts, and homework assignments on the Calendar of Assignments that you can access to keep up with your student's progress. I recommend you

check out the links "Tips for Studying," "Calendar of Assignments," and "Teacher Resources."

Email Address : jswango@fayette.k12.ky.us

This is a tool that is becoming increasingly more useful. I have students emailing me assignments, questions, suggestions, jokes, inspirational thoughts, and much more. It is also a good way for you to communicate with me regarding any questions you might have.

United Streaming :

<http://www.unitedstreaming.com>

This is a new addition to the Adv. Chemistry class. I will be using this site often to embed videos into class lectures, but why should I have all the fun? Your student has as much access as I do and can use videos as study aids, as presentation enhancers, and in projects for my class or any of their other classes. I will also assign several projects using this site, so your student needs to sign up for an account.

IMMEX : <http://www.immex.ucla.edu>

This is a project that I'm part of through Fayette County in an official capacity. We will be visiting this site a couple of times this year. IMMEX is a web delivered, interactive assessment tool that integrates subject specific content and problem solving into real-world scenarios. We may be solving some of these problems in class as small groups, and possibly as an assignment out of class.



"SCIENCE RULES"

Topics Covered This Year

Here are the topics that we will cover through the course of this year:

- Scientific Processing Skills
- Energy and Matter
- Atomic Structure and Models
- The Electron
- The Periodic Table and Trends
- Ionic, Covalent, and Metallic Bonding
- Stoichiometry
- Thermodynamics
- Chemical Reactions
- The Mole
- Ideal Gases
- Liquids and Solids
- Solution Chemistry
- Rates of Reactions
- Solubility
- Acids and Bases
- Radioactivity/Nuclear Reactions
- Spontaneity
- Oxidation/Reduction

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