**HONORS CHEMISTRY**

Room 114

Mrs. Kelly

kellycm@chelmsford.k12.ma.us

**How to do well in this class:**

**Come to class prepared**

* + Read sections assigned before class
	+ Do your homework completely and show your work
	+ Bring your notebook, calculator, pencils, etc. everyday

**Take notes and understand the notes you take**

**Ask questions**

* + “I don’t get it” is not a question. Examples of questions are:
		- I wonder why \_\_\_\_\_\_?
		- What caused \_\_\_\_\_\_ to \_\_\_\_\_\_?
		- What would happen if \_\_\_\_\_\_?

**Pay attention during lab**

* + Follow safety rules all the time
	+ Follow procedures carefully

**Be respectful**

* + Respect that each person in this room makes valuable contributions to this class.

***“Every person you will ever meet knows something you don’t”***

***~ Bill Nye, The Science Guy***

* + Respect the dangers of the chemicals and equipment we will use in this class.
	+ Respect yourself. Take yourself seriously and apply yourself. You deserve that.

**Grades:**

Your grade will be determined by total points. Approximately 50% of your grade will be based on tests and quizzes, and the rest will be laboratory assignments and reports. About 80% of the assignments will be summative assessments, and 20% will be formative. Nightly homework assignments are required for fully participation in the class, but will not be graded.

**Late Work:**

* Labs and projects will lose 10% every day they are late.
* Tests and quizzes will be entered as a zero until they are made up.
* If you are absent it is your responsibility to get the notes and make up missing assignments.

*This course requires strong analytical skills. Successful completion of honors algebra I and concurrent enrollment in an honors math course is required for this class. This class is designed for students who are interested in pursuing a degree in science and will prepare you for college or AP chemistry. Topics covered in this class are listed on the back of this page.*

**Textbook:** Chemistry, Zumdhal

**Topics covered in this course:**

Unit 1: Scientific Measurements and Conversions

Unit 2: Classifying Matter, Properties of Matter, Atomic Structure

Unit 3: Mole Calculations, Stoichiometry, Types of Chemical Reactions

Unit 4: Solutions and Solubility

Unit 5: Gas Laws

Unit 6: Thermochemistry

Unit 7: Electron Behavior and Periodicity

Unit 8: Bonding, Geometries, IMFs

Unit 9: Properties of Solutions

Unit 10: Kinetics and Equilibrium

Unit 11: Acids and Bases

**Outcomes:**