**Course description:**

This course is designed to further understanding of the scientific process and introduce students to some of the disciplines within chemistry. Therefore many topics will be addressed. It is important to note that critical thinking and problem solving skills will be required as many of the topics in chemistry are predictive. Therefore a concept will be used in order to solve groups or types of problems rather than the “if this, then that” approach students often encounter. Some of these concepts will be familiar from middle school, and will go into greater depth.

**Course topics:**

 **-**1st semester- -2nd semester-

 1. Chemical and physical properties 1. Conservation of mass

2. Atomic Structure 2. Energy
3. Periodic Table 3. Solutions

 4. The Mole 4. Stoichiometry

 5. Naming Compounds 5. Acids and Bases

 6. Chemical Bonding 6. Gas Laws

 7. Nuclear Chemistry

**REQUIRED SUPPLIES ACADEMIC DISHONESTY**

1. 3 Ring binder of any size Cheating and plagiarism (presenting someone else’s
2. Set of dividers work as your own) will result in a zero, a phone call
3. Loose leaf paper home, and contact of any extra-curricular sponsors.
4. 1 Expo marker of any color Other consequences may apply as well.
5. Pens and pencils
preferably of differing colors

**GRADING PARENT CONNECT:**

30% Exams Please have your parents sign up for this service.

30% Labs and projects Grades are generally posted within 2 days of the

20% Daily grades and homework assignment due date.
10% Quizzes
10% Binder

**MAKE-UP AND LATE WORK:**

-All missed work can be found ONLINE at [www.grigerscience.weebly.com](http://www.grigerscience.weebly.com). Students are responsible for missed assignments and course materials, these are due the class period following the student’s return.

-Late work will not be accepted unless completed in tutoring.

-No assignment will be accepted unless it is completed in its entirety.

**EXTRA CREDIT**

Opportunities for extra credit will be available throughout the semester. Be sure to pay attention for announcements for when these become available. Others will be posted on my website.

**TISSUES, GERM-X, ETC.**

I do not stock general use items in the classroom. If you wish to use these items you must bring your own and keep them in your backpack.

**CONTACTING ME:** (listed in order of the best method)

Email: mgriger@mesquiteisd.org

Drop by: M9, before or after school

Leave a note: Main office mailbox

Online: [www.grigerscience.weebly.com](http://www.grigerscience.weebly.com)

Phone: 972-882-7800

**GENERAL EXPECTATIONS:**

-Food and drink to be consumed is not allowed at the labs UNDER ANY CIRCUMSTANCES

-Report any damage, graffiti, etc. to the lab stations or your desk immediately. If these are found at your desk, you will be held responsible.

-Lab equipment is off limits unless instructed to use it.

-We will act responsibly to ensure the safety of ourselves and those around us.

**FIRST HOMEWORK OF THE COURSE: to be used in future labs**

**SUPPLIES BY CLASS PERIOD:**

**1A: PAPER TOWELS 1B: PAPER TOWELS**

**2A: DISH SOAP 3B: PAPER TOWELS**

**3A: DISH SOAP 4B: PAPER TOWELS**

**OTHER:**

* If at any time you feel that you are falling behind do not hesitate to come see me. We **WILL** find a way for you to succeed. If however, you wait until the last week of the semester, there will be very little that can be done to help you.
* Curiosity will be rewarded… legitimate course related questions will not be shunned.
* Designated tutoring hours are Tuesday and Wednesday mornings. Walk-ins at other times are welcomed, but appointments are recommended so that you don’t miss me. Year round passes are available for access to M-Hall before and after school from 8am – 5pm.
* If a student needs a ride home there is a 5pm tutoring bus that stops at various elementary schools. Please see the school web page for specific drop off locations.
* If you are unfortunate enough to receive a detention, you are expected to serve that detention the SAME DAY or the FOLLOWING MORNING. This is a consequence, NOT a leisure activity. Come prepared to WORK, this is not a sit down and rest activity.

RESPONSIBLE ADULT CONTACT FORM

PLEASE FILL OUT THIS FORM AND RETURN IT

NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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NIGHT PHONE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

EMAIL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OTHER PERSON TO CONTACT:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CONTACT INFO:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I HAVE READ AND UNDERSTAND THE SYLLABUS AND WILL MAKE EVERY EFFORT TO SUPPORT THE EDUCATION OF MY STUDENT.

SIGNATURE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDENT SAFETY AGREEMENT

TO BE RETURNED FOR A GRADE

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AGREE TO ABIDE BY THE FOLLOWING RULES AND ACT APPROPRIATELY AS SAFETY DICTATES AND THE MISD CODE OF CONDUCT REQUIRES. I AKNOWLEDGE THAT FAILURE TO DO SO WILL BRING SHAME UPON MYSELF, MY FAMILY, AND MY SCHOOL.

I WILL NOT EAT IN THE CLASSROOM.

I WILL DRINK ONLY **WATER** in the classroom.

I WILL DRINK ONLY FROM A CLOSED CONTAINER.

I **WILL NOT** MISUSE LABORATORY EQUIPMENT.

I WILL REPORT SPILLS AND ACCIDENTS IMMEDIATELY.

I WILL BE IN MY SEAT AND WORKING ON MY ASSIGNMENT **BEFORE THE BELL RINGS.** I UNDERSTAND THAT I AM TARDY OTHERWISE.

I **WILL STAND AND SHOW RESPECT** FOR THE NATION DURING THE PLEDGE OF ALLEGIANCE.

SIGNATURE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_