

Chemistry Course Syllabus Mohawk High School

Teacher: Mr. B. Graham	Website: http://www.mohawklocal.org/mr_graham.aspx
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School Year: 2017-2018	Phone: 419.927.6222 ext 2112
Textbook: Chemistry; Matter and Change. Glencoe/ MGH (replacement cost \$85.00). A classroom set is used. Students are assigned a textbook. All supplemental materials and labs are provided and there is no lab manual.	Assistance: Available in mornings before school and after school. You must schedule a time at least one school day before.

Scope and Description

Chemistry is an advanced level science class that satisfies the high school graduation requirement of a science class. Students should have successfully completed or currently enrolled in at a minimum Algebra II. The Chemistry curriculum includes interactions of matter and energy, atomic structure, charge, stoichiometry and the mole. Students will be **challenged** to apply their knowledge of the laws of Chemistry to solve Chemistry related critical thinking problems. This science course is intended to explore basic scientific concepts in a traditional format. We will use extensive laboratory investigations to reinforce these concepts that we are exploring. Additionally, we will apply mathematical analysis and reasoning throughout this course to help you better quantify phenomenon. It is necessary that you expand your mathematical skills.

Standards

This course will include information in compliance with the state of Ohio content teaching standards for Physical Sciences. For complete coverage of this course's standards please see my curriculum map on the website.

Materials

Text materials will be provided by primary and secondary sources using various websites and content resources, textbooks and supplemental materials may also be provided and utilized for some lessons.

Reading in the Content Area

As part of our content standards, all students will be required to read content related material to enhance the curriculum. Reading requirements include current science articles which will be assigned throughout the nine weeks grading period.

Class Website:

I use a Mohawk Teacher web site and supplement what we do in the classroom with Google Classroom (you should use Chrome). My website will be maintained to include all assignments, writing, and project assignments. Please refer to the class website often

to ensure all work has been completed. In the event of absence, the website will help you to catch-up with your missing work.

Attendance

_____ (Initials) You are expected to participate in class. If you are absent, you cannot do this. School policy mandates that “**A student must attend 90% of the class to receive credit.**” Since this course leans heavily toward a lab environment, your presence is a must. Labs typically CANNOT be “made up” due to their complexity and safety requirements. Some form of alternate assignment may be assigned and assessed.

Material covered

This course will use extensive laboratory investigations and tools, (graphing calculators, charts and graphs, technology) to help determine a quantitative analysis of matter. You are required to develop your laboratory and mathematical skill-set in order to help you develop for more advanced courses. An equation “cheat sheet” is approved which can be used through out the course.

1 st Qtr... measuring, structure of matter and scientific inquiry
2 nd Qtr interactions of matter and bonding, scientific inquiry
3 rd Qtr interactions of matter and bonding, scientific inquiry, structure of matter
4 th Qtr interactions, inquiry, and quantification of matter

Assessment

Since NO vocation is based on one evaluation, this course will use a three tier approach to assessing your performance. It is the composite of the three that makes the total assessment of your performance. As a result, students must understand that if you stumble on a particular topic, persistence will carry you through to success. Each tier is approximately 1/3 of your over all grade.

- A. Exams are traditional style that will utilize a scientist’s tools (calculator, tables, graphs and charts, NO open books).
- B. Labs and Quizzes will cover the practical portion of the course. These are designed to evaluate your performance as a working team member, evaluation of data and efficiency.
- C. Homework to include writing assignments, problems, study guides.
- D. Projects – web based lab analysis, and a cross curricular MOSCI.

My Expectations

I have high expectations for this class! I am willing to help and work with you in anyway, however this is a college prep class and your involvement is salient to success. Slacking off will not be tolerated. Here is how to pass my class—:

- ✓ Come to class on time and be ready to work when the bell rings! I start on time!!!
- ✓ Do your best work (homework/class-work, studying, labs, group and individual participation).
- ✓ Pay attention in class! Ask questions when you don’t understand.
- ✓ Take good notes

- ✓ Complete your projects/assignments on time and to the best of your ability.
- ✓ Work cooperatively with your peers, no matter who they are!
- ✓ Most important—keep up!!! Homework will be assigned and is crucial to your success. Don't get behind...it's a lot harder to catch up than to stay on task!
- ✓ Follow all lab safety guidelines – You will lose lab privileges upon violation of these!!
- ✓ Follow all policies in student handbook (Tardies, absences, cheating, course repair, academic indifference)

Classroom Rules

1. Come to class prepared! Bring Pen, Pencil, Notebook and materials every day. I *feel very strongly* that your time in class is one of your most precious resources and needs to be used wisely. With experience, I have found that personal electronic devices not being used directly for lessons or projects have no direct value to them whatsoever in the classroom. As such there will be no personal **Electronic Devices** allowed in the classroom other than school issued laptops. There will be no warnings and strict consequences will follow if personal devices are seen or heard during class.
2. Respect everyone and everything in my classroom. That means, follow Directions, Be in your Seat when the Tardy Bell Rings, No Put Downs or Name Calling, No Swearing
3. Remain seated while working quietly. No food should be brought to class and/or consumed during classroom instruction time. Students bringing in breakfast or lunch items will be directed back to cafeteria and a tardy slip will be required to re-enter classroom. Display respect for teacher and fellow classmates at all times!

If you choose not to follow the class rules, you can expect the following

1. Verbal Warning
2. Parent contact
3. Detention
4. Office referral. Parent contact may not occur beforehand.

Class Assignment/Homework Policy

- All written assignments, skill practice assignments, and labs should be completed in a timely manner.
- If you are absent or miss an assignment, it is expected that all work will be turned in within the appropriate time of absence per school policy.
- If you are absent, **it is your responsibility** to make up all assignments including labs work.

Absences/Make-up Work

In the event you miss class, you can complete the following:

- Check the class website for the day's events and worksheets.
- Collect all handouts you missed from the teacher and make sure you know when the assignments are due.

- If you have questions requiring detailed explanation, first ask a classmate. If you still have questions, ask the teacher at the appropriate time.
- Make-up work can be done outside of class or during study hall.
- Tests and missed labs should be made up within the appropriate time per school policy.

Late Work

- Missing assignments, quizzes, tests, essays, and projects will not receive a grade until they are turned in. A ZERO will be entered into PowerSchool for assignments that have passed the deadline. You will receive half credit for late work and will not be accepted after one week. All work will be accepted until the Last Acceptable Date to be established by policy for each term.
- In the event of an extended absence or a special circumstance, please set aside a time to speak with me individually so we can discuss an appropriate course of action.

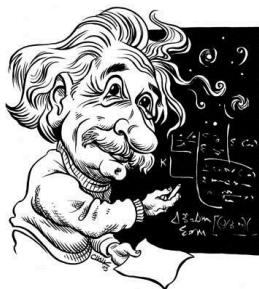
Grading Policy & Scale

Students will be expected to complete all assignments, projects, quizzes, and exams. Any missed lab must be made up within time allocated for the absence. All students may submit HW through a learning management system such as google classroom or google forms. These are date and time stamped.

Academic Dishonesty Policy: Students are expected to do their own work. Students who “copy answers and work, help, and share” on any work in class or out of class will be referred to the discipline process, earn a zero on the assignment and parents may be notified. When turning in labs, students can work together to perform the experiment and collect data, but are expected to put their laboratory report in their own words.

Cheating – Plagiarism

It is unacceptable practice to cheat and plagiarize and will not be tolerated. In any circumstance involving cheating or plagiarism, the student will be required to take a zero, you may not retake assessments or redo the work in addition to other consequences that may apply.



Return to Mr. Graham

I _____ have read this syllabus carefully and understand what is expected of me. It is my intention to do my best to follow these rules and policies in order that class may run efficiently and learning may occur.

X _____

I, _____ the parent/guardian of the above student, have read and understand the policies of this syllabus and will do my part in aiding in the education of my child.

X _____

Parent/Guardian E-mail: _____

Parent/Guardian Phone: _____

Special Comments or Concerns (anything your student might not want to discuss with me in person or anything that may help me understand your child better):