

**Mr. Johnson**

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**Regents**

**Chemistry**

**SYLLABUS**

**2023 - 2024**

**COURSE DESCRIPTION**

**Chemistry itself is defined as the study of matter, but the focus of this course is teaching students to explain macroscopic topics based on events at the microscopic level. We will focus on particle behavior in everyday substances, and how particle behavior gives substances their physical and chemical properties.** **The content of this course will be covered in a variety of formats based on inquiry and hands on learning. There is also a Laboratory component to this course. The aim of this course is to give the student a better understanding and appreciation for the physical sciences as well as help each student develop inquiry skills that allow them to think scientifically.**

**COURSE GOALS**

**To develop students’ understanding and appreciation of the nature of science, specifically Chemistry.**

**To practice and apply chemical concepts through a variety of projects, hands on activities, and lab experiments.**

**To prepare students for a higher level of science education and greater develop their ability to think scientifically.**

**STUDENT EXPECTATIONS**

**RESPONSIBILITY**

**HONESTY**

**PRESENCE**

**RESPECT**

***SHOW UP*! you can’t learn when you are not here or virtually here. Also, be present in *MIND*, don’t day- dream. *PARTICIPATE* in class, ask questions so you may learn.**

**Your presence will greatly affect your learning and therefore greatly impact your grade.**

**Be on time to class, especially virtually. Be prepared with all materials every day. Complete and turn in your work ON TIME. Own your mistakes and use them as a learning experience. Ask for help when you need it. Act maturely.**

**ALWAYS DO WHAT IS RIGHT!**

***Respect Your Peers*: consider your words and actions carefully – keep them kind.**

***Respect Your Teachers*: I’m here to help you.**

***Respect Yourself*: Don’t settle for less… Only you can push yourself all the way to success.**

***DON’T CHEAT*, it will only *HURT YOU*!**

***DO NOT MAKE EXCUSES*!**

***DO NOT LIE*! Remember if someone cannot trust your word there is nothing else that can be trusted either.**

**TEACHING PHILOSOPHY**

**It is my belief that each student should be awarded the same opportunity to succeed as**

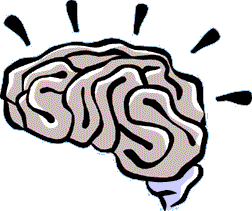
**any other student. It is my job to provide each student with the knowledge and resources**

**they need to succeed in this course, and to encourage each student to reach their full potential.**

**However, students will only be successful if they put forth the effort and participate fully in**

**the classroom activities each day.**



[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCK7QiYSt-8YCFYnQgAodY6UDrg&url=http://www.clipartpanda.com/clipart_images/brain-clip-art-21568722&ei=Wim2Va67I4mhgwTjyo7wCg&psig=AFQjCNERf0vYyaE1HZVvlksyYs-gIt1OAA&ust=1438087892584886)

**COURSE WORK**

|  |  |
| --- | --- |
| **CLASSWORK & ASSIGNMENTS** | Students will be assigned scheduled consistent homework to keep things simple. Homework is meant to reinforce the material being learned in class. Assignments may be on paper, or through Castle Learning. All homework is due on the assigned date. **If an assignment is not completed by the assigned date a grade of ZERO will be recorded for that assignment.** If the assignment is turned in late, then points may be taken off.  **KEEP AN AGENDA, look at TEAMS, or set phone reminders and KNOW WHEN ASSIGNMENTS ARE DUE!** |
| **EXAMS** | Tests and quizzes will be given to assess student’s knowledge of each concept or topic that is studied approximately over a two-week period. If a student pays attention, does their h.w. and labs; they will have practiced all of the concepts multiple times before the test. No pop quizzes will be given for a grade, however scheduled quizzes can be given any day of the week. **Be sure to ask questions & Seek Help BEFORE the exam. DO the REVIEWS and STUDY!** |
| **LABORATORY** | **ALL STUDENTS THAT QUALIFY WILL TAKE THE REGENTS EXAM IN JUNE.** New York State mandates that to sit for the Regents Exam each student receive a minimum of 1200 minutes of laboratory activities and submit **satisfactory** reports for each lab exercise that is completed**. All labs will be typed.** |
| **ATTENDANCE &**  **MAKE-UP WORK** | It is the expectation that students strive for perfect attendance. If a student is absent, then it is **his or her *responsibility*** to see the teacher for make-up work. Due dates will not change due to an absence, but will be looked at by an individual basis. The student is responsible for missed work and must communicate with the teacher to make it up. **Makeup work must be completed by the due date assigned by the teacher** |

**GRADING POLICY**

The grading system in this class will be based on a percentage system. Each item of work will be worth a predetermined percentage based on the category it falls under. Each quarter along with the Regents Exam will then be ***weighted*** accordingly to receive a final percentage for the year. Quarter grades will be determined as follows: (subject to change based on Governor/School decisions)

|  |  |
| --- | --- |
| **Quarter Grade Determination** | |
| **Tests & Quizzes**  **Class-work & Assignments**  **Laboratory Exercises** | **70 %**  **15 %**  **15 %** |
|  | |

***\*The student and parent(s) will be able to access grades through the Power-School portal at any time throughout the year.*** *Graded assignments will be updated as quickly as possible, but some assignments or exams may take several days to grade and be recorded in Power-School.*

|  |  |
| --- | --- |
| **Course Grade Determination** | |
| **Quarter 1**  **Quarter 2**  **Quarter 3**  **Quarter 4**  **Regents Exam (Final)** | **20 %**  **20 %**  **20 %**  **20 %**  **20 %** |
|  | |

**15%**

**20%**

**20%**

**20%**

**20%**

**15%**

**20%**

**70%**

**CLASSROOM MANAGEMENT**

It is my job, as a teacher, to maintain an environment in which all students can learn comfortably. Therefore, disruptive, inappropriate, and disrespectful behaviors ***WILL NOT*** be tolerated. Should a student fail to meet one of the above expectations, there will be consequences.

**\*Should a first or second offense be deemed severe enough by the teacher, immediate referral to the office will be made.**

**\*The student and parent/ guardian should be familiar will all school policies and guidelines as stated in the student handbook.**

**Warning will be given and I will discuss the issue with the student.**

**1st**

**Teacher Detention Parent or Guardian will be contacted.**

**2nd**

**Discipline Referral to Office. Parent or Guardian will be contacted.**

**3rd**

**REMOTE ONLINE ETIQUETTE (Only applies if it is a State Dept. of Health mandated quarantine or school enforced shutdown.)**

Students participating remotely in class sessions are participating on an equal basis as the students who are attending class sessions in-person in the classroom. Online instruction will require the same level of quality work as is typically expected from students in a traditional classroom setting. You will need to devote your self-motivated attention and work to the course as motivated self-learners. The course involves a significant amount of reading, watching videos and timed examinations, often with specific due dates. Make a schedule, keep yourself to it and work hard.

**If this course is online, students are expected to follow the guidance detailed below:**

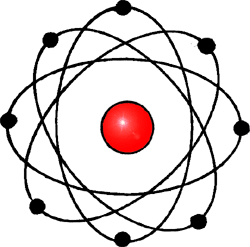
* In an effort to build community and connect with each other and the facilitators, **all participants must have the camera on their device turned on for the full duration of the synchronous sessions.** Please be in a chair or similar environment (*e.g*., not at the pool, in bed, etc.) - professionalism has a place in science, and in this course.
* Participants should keep their microphone on mute unless they are verbally participating in order to minimize background noise.
* Online instruction represents a class setting and students should respectfully share turns speaking, as well as respectfully engage in dialog around the topics in the course.

**USE OF CLASS MATERIALS AND RECORDINGS**

* Original class materials (handouts, assignments, tests, etc.) and recordings of class sessions are the intellectual property of the course instructor. You may download these materials for your use in this class. However, you may not provide these materials to other parties (e.g., web sites, social media, other students) without permission. Doing so is a violation of intellectual property law and of the student code of conduct.

**COURSE OUTLINE**

*The following is an outline of the topics that we will cover throughout the year. The teacher retains the right to change it at any time without notice.*

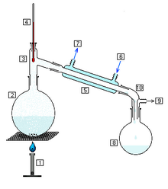


* Organic Chemistry
* Quantifying Chemical Reactions
* Types of Solutions
* Kinetics and Equilibrium
* Acids vs. Bases vs. Salts
* Voltaic Cells vs. Electrolytic Cells
* Nuclear Reactions
* Regents Review

**Semester 2**

**Semester 1**

* Atomic Structure
* Periodic Table of Elements
* Types of Formulas and Chem. Reactions
* Types of Bonds and IMF’s
* Classifying Matter
* Thermal Heat Transfer and Phase Changes
* Kinetic Molecular Theory (Ideal Gases)



***Parents:*** *Please complete this page from the syllabus and have the student return it to Mr. Johnson. THANK YOU!*

**PARENT/GUARDIAN Information *Please type/print***

**I will strive to keep you aware of your child’s progress, in my class, throughout the year. This will be done using Powerschool. I will strive to keep it up to date. Please complete the information below:**

**Student’s Name:**

I have read and understand the expectations for my child in Mr. Johnson’s Chemistry Class.

Any Comments or Concerns?

*Please cut along dashed line and Return Slip*

Please print email addresses carefully

\*Parents: Feel free to email me at any time concerning your child’s progress or behavior in my class. I am always willing to answer your questions or you’re your concerns.

*Parent/Teacher communication is welcomed!*