

## **Chemistry**

**Mrs. Belle**

**Phone: (563) 552-5406**

**Email: kbelle@dbqschools.org** (email is the best way to reach me)

I am available before school or during 3rd hour. If possible, please let me know in advance if you are coming for assistance.

### **Course description:**

CHEMISTRY SCI251 (Sem 1), SCI252 (Sem 2)

Year Course 2 Credits

Open to: sophomores, juniors, and seniors

Prerequisite: Algebra I

This course is designed for those students who want a physical science class that is both practical and theoretical. The course of study is designed to cover the basic concepts of chemistry on a descriptive and quantitative level. Laboratory activities will be used to illustrate the important ideas. This course is designed to equip students with the background to understand how chemistry fits into everyday living. The class will fulfill a laboratory science course requirement for regency colleges and universities.

Alignment to the Next Generation Science Standards: Understands and applies knowledge of: the structure of atoms, the structure and properties of matter, chemical reactions, conservation of energy, and interactions of energy and matter.

### **Standards:**

- Understand and apply knowledge of the structure of atoms.
- Understand and apply knowledge of the structure and properties of matter.
- Understand and apply knowledge of chemical reactions.
- Understand and apply knowledge of conservation of energy and increase in disorder.
- Understand and apply knowledge of interactions of energy and matter.

### **Assessments:**

The summative assessment at the end of each unit, individually completed projects or labs and the final assessment are the only major points that count for the final grade. Some homework will be given throughout the week that will be worth less towards the final grade.

### **Grading:**

Your grade will be calculated by total points from homework, labs, quizzes, tests and final exam.

### **Instructional Strategies:**

The class requires you to understand the concepts that are presented via lecture, demonstrations, labs and projects. The textbook is a resource that should be utilized. The summative assessments will require an in-depth understanding in order to analyze, synthesize and manipulate variables from the basic concepts. Although many activities are team based the only scores that affect the grade are individual test scores.

### **Late Work Policy:**

Missed quizzes and homework **MUST** be made up by the unit exam. Points will be accepted for full credit up until that point. If a homework assignment or quiz is turned in after the end of the unit, ZERO points will be awarded for those assignments. If an exam is missed, that exam must be made up by the end of the next unit as well, otherwise ZERO points will be awarded.

### **Extra Credit:**

The only extra credit opportunities will be attendance at the science seminars at the University of Dubuque. The dates will be posted in the classroom. If a student is unable to attend because of a school related event, an additional opportunity will be provided to substitute for missing the seminar. Additional projects throughout the year may be provided as extra credit as well.

### **Content and Resources:**

- We use the Prentice Hall Chemistry text. The first half of the text will be covered first semester and the second half will be covered second semester.
- Topics of study include but are not limited to...the scientific method, descriptions of matter, chemical reactions and equations, molar relationships, stoichiometry, properties and laws relating to gases, composition of the atom, nuclear chemistry, atomic structure, periodic table and laws, elemental properties, chemical bonding, properties relating to varied states of matter, thermodynamics, reaction rates and equilibriums, acids and bases, electrochemistry and organic chemistry.

### **Expectations:**

#### **“You are responsible for the grade you earn”**

- Assignments must be turned in on time and must be legible. Illegible work will be returned to you. Work is due at the date specified.
- Cheating or Plagiarism will result in a zero for the assignment, quiz or test as well as further measures to be determined at that time.
- You are responsible for getting all assignments or notes and rescheduling any quizzes or tests when you are absent. Check the calendar for the assignment listings. If you have an extended absence, please see me for a schedule as soon as you return. If you have an excused absence on the day of a lab you may be required to make up the lab or in some circumstances you may be exempt from that lab. You are still responsible for the content of the lab as you may later see this information on a test or quiz.
- Quizzes, tests and assignments, which are not turned in will result in a zero, including ones, which were not turned in after an absence.
- You will need a **binder, notebook, folder, scientific calculator, pencil and pen** for this class. Please come prepared. Please use only pencil, blue or black ink for work that is turned in or you may lose points on your work.
- **All text must be covered.**

**“You are responsible for your own behavior”**

- Be accountable for your own behavior.
- Be on time.
- Have all of your materials with you everyday!
- **Read** the text.
- Do **YOUR OWN** assignments.
- Ask questions!
- **Keep an assignment notebook.**
- You may borrow items from me using an exchange.
- You may use the restroom/locker etc. provided it does not become excessive.
- You may have **only** water in the classroom.
- Coats and hats are not to be worn in this classroom.
- All school policies apply as described in the handbook.
- No electronic devices (**cell phones**, any type of music player, ear buds/headphones, gaming devices, etc) will be allowed in class or on the student. These devices **can** be taken and given to the Assistant Principal’s office for the parent of the student to retrieve after school. The student will be referred to the office and appropriate documentation of the event will follow. **There will be no warning.** Use of these devices are allowable with teacher permission.

**“Treat others the way in which you would like to be treated”**

- Be respectful of one another, yourself and me. This means listening (**not talking or being on your phone**) while someone else is speaking.
- Be appropriate. This means behavior and language. Consequences for inappropriate behavior and language will be determined at that time.
- If you have a question please ask.
- There are certain circumstances for which there are exceptions. Please see me so we can discuss your options if you are having a problem

**Citizenship:**

- Being prepared
- Being on time
- Doing your own work
- Acting responsibly and respectfully
- Maintaining a positive attitude
- Proper cell phone and electrical device usage
- Proper food and water usage

**Communication:**

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