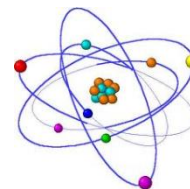


CHEMISTRY 11 COURSE OUTLINE

Ms. Iselmoe
 Valemount Secondary School
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 250-566-4431

Textbook: Hebden – Chemistry 11 Student Workbook
 Science Room



WELCOME TO CHEMISTRY 11!

This is a survey course that introduces the underlying concepts of modern chemical theory and practice. Chemistry 11 is a study of the physical and chemical properties of elements and compounds. The atomic and molecular structure of matter is analyzed through experimentation with emphasis on chemical reactions. The Mole Concept is thoroughly explored. Solution chemistry and organic chemistry are also covered. These topics are examined using a wide variety of techniques including laboratory activities. A good background in Mathematics is necessary.

***THE FOLLOWING IS A BASIC SCHEDULE THAT IS SUBJECT TO CHANGE.**

☆ INTRODUCTION

- Safety
- Measurement and Communication
- Matter and changes in matter

☆ ATOMS, MOLECULES AND IONS

- Classification
- Nomenclature

☆ MOLE

- Mole concept and mole conversion
- Molar volume of gases
- Percent Composition
- Molarity

☆ CHEMICAL REACTIONS

- Classification
- Balancing

☆ ATOMIC THEORY

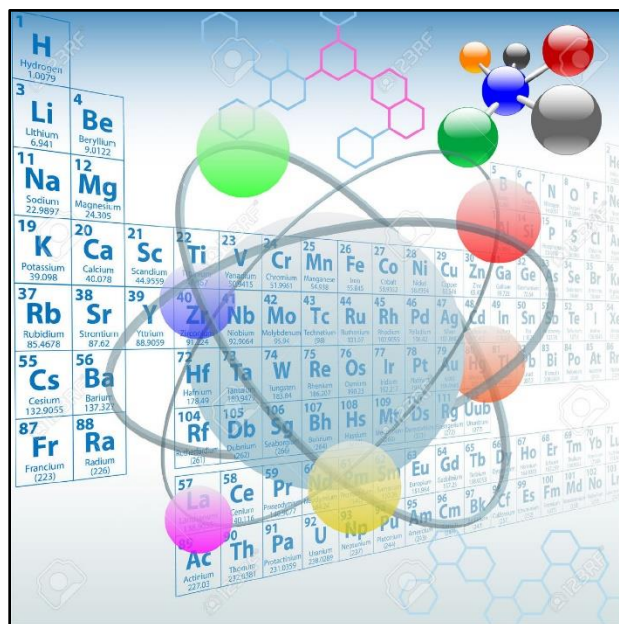
- Historical development
- Periodic Table
- Chemical Bonding

☆ SOLUTIONS

- Introduction

☆ ORGANIC CHEMISTRY

- Uses
- Hydrocarbons
- Functional Groups



EVALUATION

TERM MARK:

ASSIGNMENTS & LABS 25%

Assignments and laboratory activities are a component of this course. Assignments will usually be collected the day of the unit test; however, others may be due at the end of the class period.

Through lab activities you will develop an understanding of the materials in this course. Unexcused absences on the day of a lab will result in a zero for the lab. For excused absences, missed labs will be dealt with depending on the lab.

QUIZZES 15%

Expect quizzes on a frequent basis with or without notice. Unexcused absences and lates will result in a zero for quizzes.

TESTS 60%

Tests will be written at the conclusion of each unit. Test dates will be provided well in advance, and you should spend a significant amount of time studying and preparing. If you are absent on the day of the test, you will write the test as soon as possible upon your return.

Rewriting a unit test is a privilege, not a right. If you would like to rewrite a unit test, you must demonstrate that you have completed the assignments and completed the rewrite assignment.

SEMESTER GRADE:

TERM 1 35%

TERM 2 35%

INQUIRY PROJECT 10%

FINAL EXAM 20%

Evaluation of student's progress will be ongoing throughout the course and will be done in a variety of methods. Assessment will be informative to improve student's progress and formative to develop the student's final grade. Unit tests will be used as cut off points for turning in unit work. Rubrics will be used when appropriate.

THE PATH TO SUCCESS

- **BE PREPARED AND ON TIME.** The successful student attends class regularly and brings all necessary materials **EVERYDAY**
- **BE ORGANIZED.** Keep track of your classroom/homework assignments, and important dates.
- **ASK QUESTIONS!** Get help right away. Small problems don't go away, they get bigger!
- **USE CLASS TIME WISELY.** If you focus, you will be able to get most of your homework done during class, while help is available!
- **DO HOMEWORK!** It is essential that you keep up to date as each new concept builds on the previous one, and a new lesson will be taught every day.
- **TAKE PERSONAL RESPONSIBILITY FOR YOUR LEARNING!** If you have a problem with the course, come and talk to me before school, during lunch or after school.

CLASSROOM EXPECTATIONS

- No pop or food! Only closed water bottles or closed coffee mugs are allowed.
- Music players are permitted only when doing assignments (at a volume that only you can hear). During teaching or class discussions, please have music players off and out of sight. If this becomes a problem, music players may be banned from the classroom.
- Cell phones can only be used for emergencies and should also be out of sight.
- Behave respectfully and courteously towards other students and your teacher at all times. It is important to build a positive learning environment where **EVERYBODY** feels comfortable.

REQUIRED MATERIALS

- ☆ You will need a three ring binder for this course. I recommend that you keep your notebook organized including a topic page and/or dividers for each major unit. **KEEPING ORGANIZED IS A HUGE STEP TOWARDS SUCCESS IN THIS COURSE!**
- ☆ Pens/pencils/Calculator/Ruler and your **TEXTBOOK** are required each class.

With a lot of effort and enthusiasm, we should have a fun semester. Science demands thought and interest, you will get out of science what you put into it. Feel free at any time, in and out of class to ask lots of questions, because that's what science is all about, asking and answering questions. Please see me at any time for extra help. I want your Chemistry 11 experience to be a successful one!