

COMMUNICATION PLAN
CHEMISTRY 11
G. Callaghan

An Overview of the Program

1. Introduction and Review

Overview- In this unit, fundamentals of chemistry will be reviewed, including atomic structure, elements, molecules, compounds, isotopes, atomic mass, atomic number, etc.

2. Stoichiometry

Overview- Chemistry is a qualitative and quantitative science. Students have generally been studying chemistry in a qualitative sense. In this introduction to the quantitative aspect of chemistry, students will examine stoichiometry. Stoichiometry is the mole to mole relationship in a balanced chemical equation. This unit provides the opportunity to apply chemical principles to everyday life and industry. When studying reactions, students need the opportunities to investigate the usefulness of the reactions. The corresponding calculations provide the tools to investigate and support the students' responses.

3. Chemical Bonding

Overview- All matter is held together by chemical bonding. Bonding is discussed in detail in this unit. The difference forces of attraction involved in matter and how it influences their properties will be studied.

4. Organic Chemistry

Overview- In this unit, the bonding capacity of carbon, hydrogen, oxygen, nitrogen, and the halogens will be reviewed, as will the potential for these atoms to form covalent compounds. The vastness of the number of organic molecules will be explored using isomers and polymers as examples. With so many different organic molecules to consider, the students will come to appreciate the need for a systematic naming scheme. The students will be given opportunities to discover how the classification of organic molecules into different family groups depends upon the type of bonding and atoms present. Organic chemistry is the study of molecular compounds of carbon.

Information on how students will be assessed:

- Tests/Pop Quizzes
- Class work
- Labs
- Assignments
- Homework
- Formal Examination

Evaluation Procedures:

20% Comprehensive Assessments

50% Tests/Pop Quizzes, Class work, Labs, Assignments & Homework

30% Formal Examination

- **Assignments and activities during class time make attendance very important when it comes to students and their final marks.**
- Teachers are not required to provide make-up tests or assignments for missed assessment components **due to an excused absence**. Instead the value of other assessment pieces may be **pro-rated** to determine the assessment mark. Excused absences include: illness, family emergency, religious celebration, etc. Family trips and community sports trips are not normally excused absences. Students who miss assessment pieces due to an **unexcused absence** will be given a mark of **zero** (All excused absences must be reported with-in five days of the absence to be excused).
- Late assignments will be assessed a penalty of 20% off the total mark per day late (Weekend Fri-Mon 30%). Students are generally given a full week to complete assignments such as lab reports. Students are encouraged to pass assignments in early as no excuses will be accepted for a late assignment. The penalty will be applied.

Communication Methods:

- Automated dialing system
- E-mail gcallaghan@staff.ednet.ns.ca
- Attendance Forms (Monthly)
- Power School (T.B.A)
- Parent-Teacher session

***Please feel free to call the school (562-5464) or e-mail for anything pertaining to your son or daughter's progress.**

KEEP THIS SHEET FOR HOME REFERENCE

Dear Parent/Guardian,

The Chemistry program at the high school level requires a great deal of attention by the student both at school and at home. Your son/daughter will be expected to attempt and/or complete homework on a very regular basis. You can expect your son/daughter to have homework almost daily. Success in this course will require an extra effort by the student to stay up with class work. I would encourage you to take advantage of our school's homework page which is updated at the end of each day. You can find it by going to www.cbv.ns.ca and following the links.

All the best,

Greg Callaghan

Parent/Guardian Signature: _____

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