CHEMISTRY 11	COURSE OUTLINE.	EVALUATION & CLASS EXPECTATION GUIDE
TEXTS:	Hebden, James A. <u>Hebden: Chemistry</u> Publishing, 1998	n., Toronto, 2001  ments, D.C. Heath Canada Ltd., 1987  ry 11 A Workbook for Students, Kamloops, Hebden Home  n, Gary et al, Edvantage Interactive, Sydney BC, 2011
INSTRUCTOR:	H. Buhl	
INTRODUCTION: (Approx. time, subject to chang <u>Unit 1,3</u> (4 hours)		erview. Laboratory Safety s. Graphing Skills. Scientific Notation.
<u>Unit 2</u> (2-3 hours)	Matter / Classification- Phase Chan	ges. Nomenclature.
<u>Unit 4</u> (12 hours)	The Mole Concept. Empirical Form	nulas. Molarity. Molar Volume. % Composition.
<u>Unit 5</u> (5 hours)	Balancing Chemical Equations. Cla	ssifying Reactions. Predicting Products.
Unit 6 (23 hours) Optional Unit 7 (2-3 hours)	Stoichiometry: Mass/Mole/Mass Ca Gas Laws. Partial Pressure. (often i	lculations. Limiting Reagent. % Yield. Enthalpy.
<u>Unit 8/9</u> (5 hours)	Atomic Structure. Balancing Nuclear Symbols.	ar Equations. Atomic Mass of Isotopes.
<u>Unit 10</u> (6 hours)	Electron Configuration of Ions and including the "d" block.	Neutral atoms. Predict most stable Configuration
<u>Unit 11</u> (4 hours)	Periodic Table TrendsIonization	Energy, -Electronegativity, -Atomic Radii, Reactivity.
<u>Unit 12</u> (10 hours)		Electronegativity to predict type of bond. Lewis Dot VSEPR Theory. Predicting Molecular Shape.
<u>Unit 16</u> (11 hours)	Solutions. Calculating Molarity. C Charts to Identify the Precipitate.	ommon Ion Effect. Dilution Effect. Using Solubility
<u>Unit 20</u> (11 hours)	Acid / Base. Molarity Calculations.	Mole Calculations resulting from Titrations.
<u>Unit 23</u> (10 hours)		or Straight Chain, Branched and Functional Groups. Alcohol Plus a Carboxylic Acid gives the

## **LABORATORY EXPERIMENTS**

We will do as many labs as time allows. Doing as much work (readings, Homework questions and studying) at home as possible will free up more class time for doing labs. Not all labs will require formal lab write-ups. Safety is of the utmost importance in the chemistry lab since there are many hazards present. Chemicals, acids, gas, broken glassware are all possible hazards. Any student who does not demonstrate an ability to work with the safety of him/herself and his/her classmates in mind will not be allowed in the chemistry lab. **Note: Students will be charged for broken glassware.** 

## **EXPECTATION GUIDE**

YOU ARE HERE TO LEARN. Please DO work hard, be respectful of each other (and me), be responsible,

and be positive. You will be successful.

BRING YOUR MATERIALS. Please DO bring a pen, pencil, eraser, ruler, two inch D-ring binder as a notebook,

paper and scientific calculator, perhaps in a useful pencil case. <u>Every day!</u> Put your name on all of your belongings. Bring the textbook to every class. We will use it as a reference for readings and for extra questions. Bring the lab book when we do a

lab. Take care of the text and lab manual, you are responsible for them.

ATTENDANCE IS REQUIRED. Please arrive and be ready with notebooks and textbooks open for class BEFORE

the bell. All absences require a written note from: Doctor/Dentist/Parent/Legal

Guardian/Relative.

## EVALUATION: Classmarks

of Term
%
)
6
)
)
6

LATE ASSIGNMENTS

Late assignments are always due. They will be marked fairly allowing for extra

time taken and whether or not it has already been handed back. Once late, do not

expect as quick a return as when it is handed in on time. ©

Quizzes will be given frequently (3-5 per week). They will not necessarily be

announced in advance.

(See attendance required above)

Homework: Homework will be assigned daily and must be done to give practice needed to

master skills. Mastery reached translates into the ability to teach it to another

person.

Website: buhl.yolasite.com

Parents and students can follow the course at this site. At different times, marks and

unit exams results will also be found in the correct class folder

I have read this outline and recorded the above website address to follow my son's/daughter's progress in this class. Please sign below and have your student

return it to me for marks. You may tear off the web address below

Parent signature.

Print Student Name

## Mr. Buhl's website: buhl.yolasite.com