

# CHEMISTRY 11

## MISS ZUKOWSKI

azukowski@sd61.bc.ca  
Room 114  
misszukowski.weebly.com/

Remind Messages:

TEXT @CLASSCODE TO THE  
NUMBER (289) 205-1115  
@chem11msz

## COURSE INFO

**TEXTBOOK:** *HEBDEN CHEMISTRY 11*

### GRADE DISTRIBUTION:

#### TERM GRADES

Tests	50%
Quizzes & Assignments	20%
Lab Assignments	15%
Homework/Notebook	15%

#### FINAL GRADE

Cumulative Term Grades	80%
Final Exam	20%

**EXPECTATIONS:** To ensure that you obtain **maximum benefit** from this course, the following minimal standards are expected from each student:

- ✓ Regular attendance
- ✓ Arrive to class on time & prepared to work.
- ✓ Report to class with all necessary books and supplies.
- ✓ Complete each assignment to the best of your ability
- ✓ Submit assignments on time.
- ✓ Always exhibit responsible, cooperative, and respectable behavior.
- ✓ Come to class with a positive and mature attitude and be prepared to work hard!

**CELL PHONE POLICY:** Unless otherwise instructed, my classroom is a **no phone zone!** Having a phone out in class is a distraction to your learning, disruptive for students around you, and disrespectful to your teacher. Cell phones should be on **silent & handed in during class**. Students will be presented with a **cell phone stamp card** where, when completed, students can elect to **omit a quiz mark!** This card will be stamped by your teacher each lesson your phone is handed in. Consequently, if a student is using their phone without permission, it will be confiscated and remain in storage for the duration of the class. If repeated offences occur, contact will be made home and/or admin notified.

*Exceptions: Students may listen to music during quiet work time, BUT your cell phone should be set to "shuffle" and out of sight. Phones may be used as cameras to document observations during laboratory work. May be used when instructed by a teacher for a Khoot Quiz.*

**GRADES:** Grades will be updated as soon as possible following tests, quizzes, assignments, etc. They will be posted by student number on the class website. Alternatively, students can create a MyEd. BC account and check marks at any time.

**WEBPAGE:** The Chemistry 11 webpage contains everything you need for the course, including a course calendar, notes, notes keys, worksheets, worksheet keys, labs, and any general info such as this outline, homework/notebook cover page, lab marking rubric etc. The webpage is very important if you are absent. You can access what you missed that day (*get the notes, access the homework*) to stay caught up. I will

also post videos and animations available that support the concepts in the course. My webpage is [misszukowski.weebly.com](http://misszukowski.weebly.com) and can be accessed through the school webpage.

**REMIND:** Be sure that you join the class Remind app to receive notifications of homework, upcoming quizzes & tests, etc. The class codes are on the previous page & can also be found on the class website.

**ABSENCES:** It is your responsibility to find out what was missed (*hint: remind app*) and take the proper steps to catch up! Check the remind app & the class webpage. Access the notes and assignment from my webpage. If you miss classes leading up to a test, you are still required to write the test on test day – come to focus block to get prepared. Absences for quizzes or tests **must** be supported by a note from a parent or guardian. If a valid excuse is not provided, you will not be permitted to make up the quiz/test. Pattern behavior will result in a referral to the administrative team.

**QUIZZES:** You will always be informed of a quiz (usually 1-2 days in advance). There will be several quizzes per unit, this depends on the length & pace of the particular unit. If you miss a quiz, you will not write it at a later date, you will simply get the quiz to complete as a worksheet (*added to homework mark*). Your quiz will only be omitted if your absence was excused by a parent/guardian note.

**TESTS:** Are written at the completion of each unit and are always given at least 1 week notice and listed on the class webpage and notifications sent out via the Remind App. Be responsible and prepare for tests! Begin studying multiple days in advance. You will often be given 1 class lesson to review-pending the pace of the course. If a test is not written due to absence, a note from home is required and you will write the test on your **first day back at school**.

**CORRECTIONS:** I do not allow re-tests. Do not ask for them, you will not receive them. However, I do understand the pressure of grades & your innate desire to do well! You are provided with the opportunity to do **QUIZ corrections**. Corrections on quizzes will be awarded +1/2 mark each & are to be submitted with the Unit Notebook. Corrections must be *completed on a separate page, original questions written out in pen in full, below explain WHY it was incorrect, explain HOW you corrected your mistake + provide the correct answer all in pencil*. Quiz corrections are to save you when you “had a bad day” or to provide you feedback and a chance to improve *before* you write the unit test. It’s also a very good way to prepare for the unit test, which is why quiz corrections are part of your homework mark

**HOMEWORK:** Assignments are given almost daily, but randomly chosen to be checked for completion. At the end of each unit homework marks are totaled for grading. Late homework assignments are to be submitted with the Unit Notebook for completion credit only.

**UNIT NOTEBOOK:** Class notes, worksheets, vocab & formula list, homework assignments, quiz corrections, etc are all submitted in a package with a Unit Notebook Cover Page (*copies on website & in classroom*) on the day of the Unit Test. This is part of your homework grade and is essential to be completed **BEFORE** the unit test as part of appropriate preparation. Late submissions will lose marks accordingly (*\*see Unit Notebook Cover page for details*)

**LABS:** Experiments will be done with each unit, as fitting with course content. Lab write-ups will be self-evaluated using a rubric before handing in. Lab write-ups can be handed in late with a deduction up to the time that the marked labs are handed back (approx. 1 week). After this time, the lab **will not be accepted**, as other students have received their grades & feedback, so essentially “the answer key is out”. There will be a focus on helping you become competent at writing properly formatted write-ups.

### **5 things to live by in Chemistry 11:**

- 1. Work hard.** If you listen and try in class, and complete your homework daily, your chances of success greatly increase.
- 2. Don't complain in class or about the marking of test/assignments/quizzes.** If you have a problem, suggestion, or you believe there has been a mistake, come speak to me privately and in a mature manner.
- 3. Be responsible for your work and preparation.** Be aware of what is going on in the class with assignments, quizzes, tests, and the respective due dates. You know test dates a well in advance. If you are having trouble, seek extra help at focus block. If absent, get caught up ASAP!
- 4. This is an academic course,** and is challenging. Be ready to work each day.
- 5. I am here to teach you & support you.** If you are struggling with content or facing anxiety, please do not hesitate to come speak to me...I am a human, I am approachable, and I will do everything I can to help.

# CHEMISTRY 11 LEARNING OUTCOMES:

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## UNIT 1:

### *Introduction to Chemistry & Measurement*

- Scientific notation
- Metric measurement
- Accuracy & precision
- Significant digits
- Density

## Unit 2:

### *Matter & Inorganic Naming*

- Properties of matter
- Elements, compounds, and mixtures
- Matter classification
- Physical and chemical changes
- Energy and phase changes
- Inorganic naming
- Writing chemical formulae

## Unit 3:

### *The Mole*

- Mole definition/Avogadro's number
- Molar mass
- Mole calculations
- Percent composition
- Empirical and molecular formulas
- Hydrates
- Molarity (ionic concentration)
- Solution types
- Saturated solutions
- Concentration
- Dissolving/dissociation and conductivity
- Dilution

## Unit 4:

### *Chemical Reactions & Stoichiometry*

- Evidence of a chemical reaction
- Endothermic and exothermic reactions
- Graphing
- Balancing equations
- Word equations
- Reaction types
- Predicting products
- Titrations
- Stoichiometric calculations
- Solution Chemistry
- Precipitation and using the solubility table
- Formula, complete, and net ionic equations
- Qualitative analysis
- Limiting & excess reactants

## Unit 5:

### *Atomic Theory & The Periodic Table*

- Quantum numbers
- Valence
- Organization of periodic table
- Composition of atoms
- Ions
- Isotopes
- Building chemical formulas
- Chemical naming: ionic and covalent compounds

## Unit 6:

### *Bonding*

- Electronegativity
- Periodic trends
- **Intra**molecular bonding: ionic, polar, and nonpolar bonding
- **Inter**molecular bonding: London forces, dipole, and hydrogen bonding

*\*The Chemistry 11 Course Material has been cut down due to our current timetable.*

*Required Laboratory Safety will be taught prior conducting practical lab experiments in class.*

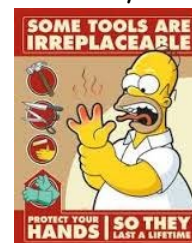
*Material required for the Chemistry 12 curriculum has been given priority.*



# Laboratory Safety Rules



1. Students are not to enter the lab unless a teacher is present. Students are NEVER to enter the lab prep room.
2. Never run or 'muck around' in the laboratory. During a prac, you MUST remain at your own bench.
3. There is no food or drink permitted in the laboratory.
4. Water bottles & bags/backpacks are to be left at your desk during labs.
5. NEVER taste or smell any substance in the lab, unless instructed to do so safely by your teacher.
6. Always listen carefully and follow instructions specifically. If there is anything you don't understand, ask your teacher. It is very important for your safety that you understand all instructions.
7. Always clean up and return equipment to the correct place when finished an experiment.
8. Keep benches and floor areas tidy. This means all chairs must be pushed in when working at the lab benches, and extra books/equipment is never to be placed on the floor.
9. Breaks and accidents (even minor) must always be reported to your teacher immediately.
10. NEVER attempt to pick up broken glass. Inform your teacher, and keep others clear of the area.
11. Laboratory equipment and chemicals are ONLY to be used as directed by your teachers' instructions.
12. Waste products/remains from experiments are to be disposed of as instructed by your teacher. Remember, not everything is safe to rinse down the sink, or throw away in the bin.
13. Be sure any burning material (eg. Match) is put out completely before throwing away.
14. All hot equipment is to be placed to a heatproof mat, NOT directly on the benchtop.
15. ALWAYS wear safety glasses during experiments with hazardous materials or when heating.
16. Long hair and loose clothing must be tied back during experiments.
17. ALWAYS wash your hands after any experiments in the laboratory.
18. Use gas taps & water for EXPERIMENTS only.
19. Bench tops are to be cleaned and disinfected following EVERY practical experiment.
20. When heating or mixing substances, NEVER point towards yourself or others.
21. Never mix chemicals or do your own experiments unless you have permission from your teacher. This is wasteful, and could be very dangerous.
22. Always rinse/clean glassware following an experiment.
23. Always use tongs to pick up equipment/objects that have been heated
24. Only use matches to light Bunsen Burners.
25. If you need to leave a Bunsen Burner, ALWAYS turn it to the visible orange/yellow safety flame



*Misbehaviour & breach of safety rules in the laboratory will result in immediate consequences, including a ban from participation in any further practical experiments.*