

## Chemistry 20

### February to June 2017

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This chemistry course is based on four foundations:

1. **Attitude:** Students will develop a responsible and technologically knowledgeable attitude to science as it relates to self, society and the environment
2. **Knowledge:** Students will develop knowledge and understanding of concepts as they apply to self, society and the environment
3. **STS:** Students will develop an understanding of the relationships between, science, technology, social and environmental contexts of life.
4. **Skills:** Students must develop skill in problem solving and communication and demonstrate this by working collaboratively and making informed decisions.

<u>Units</u>
<b>Unit A Chemical Bonding (20%):</b> (Approx 15 Days) The major focus of this unit is to relate theories about bonding to the properties of matter and to develop explanations and descriptions of structure and bonding through scientific models. Students learn about the diversity of matter through the investigation of ionic compounds and molecular substances.
<b>Unit B Gases (16%):</b> (Approx 13 Days) Students expand their knowledge of the nature of matter through the investigation of the properties and behaviour of gases.
<b>Unit C Solutions, Acids and Bases (32%):</b> (Approx 27 Days) Students gain insight into the nature of matter through an investigation of change in the context of solutions, acids and bases.
<b>Unit D Quantitative Relationships (32%):</b> (Approx 29 Days) Students focus on chemical change and the quantitative relationships contained in balanced chemical equations. They are required to use stoichiometric principles and mathematical manipulation to predict quantities of substances consumed or produced in chemical reaction systems.

### COURSE EVALUATION

- **Assignments** .....25%
- **Quizzes & Final Unit Assessments (Unit Exams)**.....50%
- **Final Exam**.....25%



<b>LCHS Assessment Policy</b> (For the complete policy please see <a href="https://goo.gl/ByAvQN">https://goo.gl/ByAvQN</a> )		
<b>Assessment Design and Evaluation</b>	<b>Steps for Late Assessment</b>	<b>Reassessment</b>
★ All Assessments are based on the learning outcomes written by Alberta Education. ★ All grades are criteria based and indicate the level of student achievement in relation to mastery of the outcomes. ★ Students will receive feedback on work that is completed on time.	1. Late assessment needs to be submitted or completed the following day. 2. Failure to do so with result in parent contact and an assigned flex. 3. Failure to meet this deadline will result in a meeting with administration and a incomplete (with a zero weighting) being added into gradebook.	★ Students may request a reassessment for final Unit assessments.. The requirements and date of reassessment will be set by the teacher. <i>See below for specific information regarding the reassessment policy in Chemistry 20</i>

### **LCHS Science Reassessment Policy**

- Teachers will give students the opportunity to demonstrate new learning within each unit throughout the course. *Class time will not be provided for the reassessment process.*
- Reassessments **for unit exams ONLY** will be given **within two weeks** of the original assessment being returned.
- Only a **single reassessment** will be provided for an **individual unit exam**.
- **Conferencing to determine an action plan** for improved learning between the student and teacher must occur **within two days** of the student receiving the marked assessment.
- **Students must provide evidence** that new learning has occurred as agreed upon from the student teacher conference and submitted a **minimum of one day prior to the reassessment**. (evidence can include but is not limited to: extra practice questions, teacher provided resources, text book questions, or test corrections)

### **Helpful Sites:**

- Text book: [www.nelson.com/ABchem20-30](http://www.nelson.com/ABchem20-30) **User name:** nelsonchem\_student;  
**Password:** nelsonchem\_onlinelearning
- [www.exambank.com](http://www.exambank.com) user name: wc.lc password: rams
- [www.khanacademy.com](http://www.khanacademy.com)

**Extra help** will be available by appointment during Block 3 Flex or 8:00 in the morning.