



Rockridge Secondary School  
5350 Headland Drive  
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### Mission Statement

Students will demonstrate intellectual, social, aesthetic and physical excellence in a setting that reflects diversity, fosters cooperation, mutual respect, individual worth, and prepares students to become responsible members of society.

## Chemistry 11

Mr. Aaron Anthony                      Room: 208  
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### What will we be learning?

In Chemistry 11, we will use laboratory activities and problem solving to discover different types of chemical reactions and the mole concept. We will explore the properties, molecular structure and naming of a wide variety of chemical compounds, and investigate trends in the periodic table using atomic structure to explain behavior of matter. We will also use mathematical operations to convert between the number of moles, number of molecules, mass, volume, and concentration of various chemical compounds.

### **Course Organization:**

UNIT	TOPIC	UNIT	TOPIC
1	Organic Chemistry	5	Chemical Reactions and Stoich
2	Safety in the Chemical Lab	6	Atoms + Periodicity, Bonding and 3D Shapes of Molecules
3	Measurement, Units, Sig Figs	7	Solution Chemistry
4	The Mole	8	Review

### What are the Expectations?

You are expected to take an **active role** in this class. This means thinking, asking questions, contributing to class discussions, making connections, planning for improvement, and taking ownership over your own learning. You are also expected to collaborate with your peers in order to help everyone achieve their learning goals. This will come in the form of peer feedback and group discussions.

### Each student is expected to:

- 1) Come to class, on time, every time, prepared to work.
- 2) Act safely and maturely in class
- 3) Respect the rights of other students to obtain an education, and the rights of the teacher to do their job

With the help of Mr. Anthony and your peers, you will develop the ability to understand what you have already learned, determine what you have yet to learn, and decide how you can best improve on your achievement.

Throughout the course, you should always be able to answer the following questions:

- 1) What am I learning?
- 2) How's it going?
- 3) Where to next?
- 4) Why does it matter?

**Chemistry 11 is a demanding course.** You should be prepared to do homework every day to keep up with labs, assignments and readings. Daily review of course material at home is essential for success. You need to bring all necessary classroom supplies and textbook to class every day. It may be helpful to get contact information of your

colleagues in class to help with your learning and review.

*Contact Info of a Student in Class:*

<b>Name</b>	<b>Phone</b>	<b>Email</b>

**What materials are needed for each class?**

1. **A computer or tablet, note this mandatory as paper copies of labs and worksheets will not be handed out this year**
2. 3-ring binder – with dividers
3. 80-page notebook for **quizzes** note: this will be handed in with your quiz log at the end of each unit
4. Agenda book to record homework and due dates and exam dates
5. Pens (various colours), pencils, ruler, and a **calculator** (Chemistry is a MATH BASED COURSE)
6. *Hebden: Chemistry 11: A Workbook for Students (assigned by Mr. Anthony)*
7. Your creative and inquisitive mind

**Absences:**All absences from the class must be excused by a phone call to the office **on/before** the day you are absent (call 981-1234 ext. 1300 before 8:25 a.m.). **YOU** are responsible for getting peer notes, handouts, due dates and catching up with the material missed. Please DO NOT ask the following question: “*I was away last class what did I miss?*”

**Work Habits:** In order to achieve a Work Habits level of “G,” you must be *consistently* on time, do all assignments and be productive in class. **Be aware that you do NOT automatically deserve a “G”; you must earn it.**

**Deadlines:** It is expected that you are ready to hand in your completed assignments by the due date **at the beginning of class**. In extenuating circumstances, any extension of deadline must be discussed with Mr. Anthony well in advance of the due date.

**Exam Policy:** Unit tests are weighted heavily; however there will be **NO** rewrites. At the end of each term we will have a summary exam that **will** be used to replace your lowest test score for the term. You can **ONLY** write this exam if you have completed all Unit Tests during the term and all assignments/worksheets from the term.

**Evaluation:** As stated earlier, you will be expected to take an active role and be responsible for your own learning. Every unit will be organized by an overall learning goal and 2-5 specific concepts, which will be formally assessed using a variety of assignments, labs, daily quizzes, and tests. We will assess all concepts, assignments and labs using performance-based rubrics that have clear criteria. **There is an optional school-based final exam in June worth 20% of the year. This is exam is for students who feel they haven’t sufficiently demonstrated their understanding of the learning outcomes in the course.**

**Extra help?**

Mornings 7:45-8:15 AM

**Anything Else?**

If you have any questions or concerns, please do not hesitate to talk to me or email me ~ [aanthony@sd45.bc.ca](mailto:aanthony@sd45.bc.ca)

<b>Chemistry 11: Marks Explanation</b>		
Unit Tests/Quizzes	75%	Term one will be worth 20% of your course mark, while terms two and three will each be worth 40% of your course mark. Students will also be given a work habits grade. Please see the Rockridge work habits rubric for more details.
Assignments/Labs/Projects	25%	
<b>FINAL MARK</b>		
Course Mark	80%	
Final Exam (Optional)	20%	