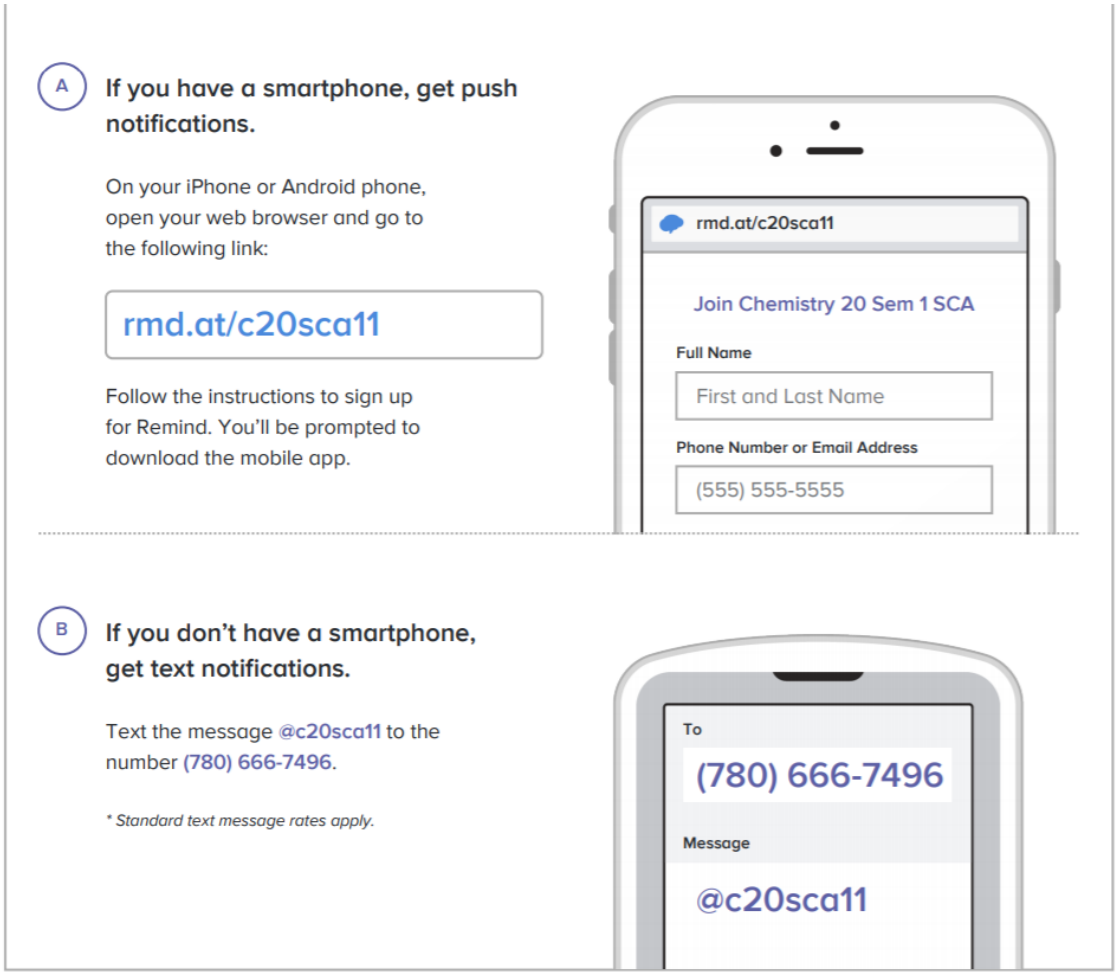
Chemistry 20 – Course Syllabus 17/18

Instructor: Mr. R. Schultz

Text: *Inquiry into Chemistry* McGraw-Hill

Chemistry is a subject that lends itself to mystery, intrigue, and drama. In Chemistry 20 you will study theory, learn how to do calculations related to solutions and chemical analysis, and learn how to make predictions about properties. You will spend a significant number of hours in the lab with many of the experiments leading to a numerical answer that can be compared to an actual value. It has been my pleasure to teach Chemistry for over 30 years.

I am using *Remind* software again this semester so that I can send push notifications, bulk text messages, or emails to students about announcements for upcoming classes. You can and should join the list by 1 of the 3 following procedures:



There are no long-distance charges associated with this number. You may also contact me by email through the school website (scasecondary.ca) or you can send a text, via *Remind*, but email is probably most convenient.

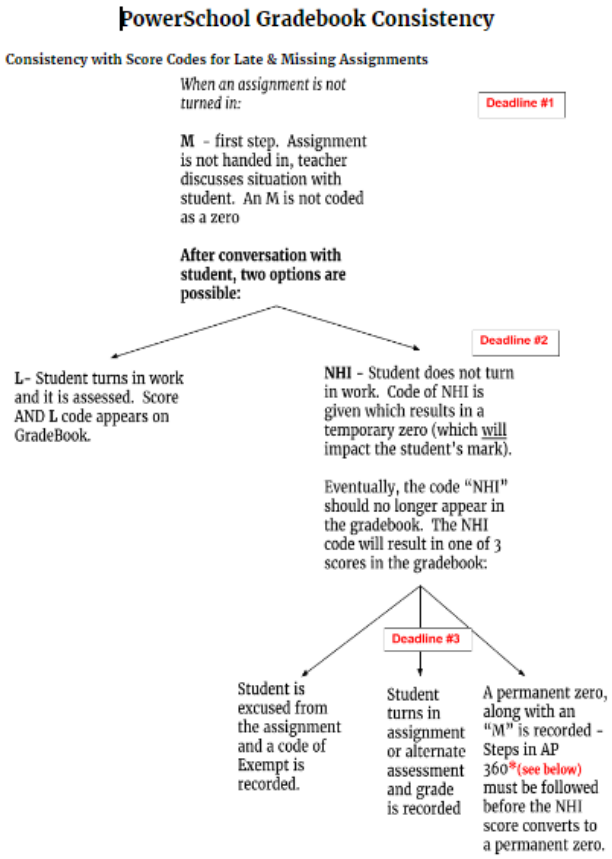
I would like everyone to be on the list to receive the reminders regarding Chemistry 20 by 1 of the 3 methods. Your parents can also join the *Remind* list using the same method if they wish to.

Most of the chemistry you learned in *Science 10* will be reviewed, in sections, at the beginning of each unit. You will see a section titled *Preparation* at the beginning of each unit in the text. This is the review section.

I need to comment that *Chemistry 20* is not necessarily an easy course. You must keep up on your daily work, because if you don't, you will like find yourself struggling. Some of you will have considerable difficulty doing this, but I am available for out of class help, and you need to commit yourself to staying with it. Also, the course is quite mathematical, and if you struggle with math, you will be more likely to have difficulties.

Lab reports will be submitted using *Google Classroom* on your *Google Drive*. The course code for becoming part of this class is saxa3uv

Starting last spring, SCA and all of EIPS have a new assessment policy. A big issue for a number of years has been lates and zeroes on summative assessments. EIPS has proposed the following chart for collecting work and potentially handling zeroes.



In our SCS Science Department evaluation policy we don't have Formative Assessments. All of ours are either ***major*** or ***minor*** summative assessments. The difference between major and minor Summative Assessments and further clarification of the flowchart above are in the Science Department Assessment Policy.

For Chemistry 20, all of the lab reports and the weekly quizzes (referred to below) are part of the ***minor*** summative assessments for the course. Their marks are small compared to the ***major*** summative assessments.

All of the worksheets I give, plus answers for the majority of them are on my website. *Minor* summative marks will not be recorded for the worksheets. The *minor* summative marks will come only from your completed lab reports.

Course of Studies:

The course content from the Alberta Education *Program of Studies* is as follows.

Unit 1: The Diversity of Matter and Chemical Bonding (20% of allotted time)
Chapters 1 and 2 of *Inquiry into Chemistry*

Unit 3: Matter as Solutions, Acids, and Bases (32% of allotted time)
Chapters 5 and 6 of *Inquiry into Chemistry*

Unit 4: Quantitative Relationships in Chemical Changes (32% of allotted time)
Chapters 7 and 8 of *Inquiry into Chemistry*

Unit 2: Forms of Matter: Gases (16% of allotted time)
Chapters 3 and 4 of *Inquiry into Chemistry*

The complete *Program of Studies* can be downloaded at:

Chem 20/30 Program of Studies

It is also on Google Classroom.

Evaluation:
Each unit will have either 1 or 2 tests. These are ***major*** summative marks and will make up the major portion of your final mark. In each individual unit, the *major* summative marks will make up 90% of the unit and *minor* summative marks will make up 10% of the unit. The total weightings for each unit, are set by the Program of Studies for Chemistry 20.

In addition to tests you will have a weekly quiz. These quizzes will be made up of questions from the in-class and homework assignments that you have completed, with minor modifications. The quizzes are still summative marks over a 1 week period and hence will make up part of your grade. These quizzes will be short; they are designed to

be completed in 10-15 minutes. It is expected that unless you've had an *extended* absence you will write the missed quiz on the day you return.

The Final Exam which is summative will be the last part of your semester mark.

At the end of the semester you will have one opportunity to raise one of your Chapter or Unit Test marks. It is either:

- The Lab Exam, covering all labs in course, replaces the worst Chapter Test if applicable
- 1 chapter/unit test rewrite, replacing only that test if applicable

} 1 or the other; not both

Marks will be posted on the web portal using *Power School*. Our policy regardingmarking and when grades appear on PowerSchool is that test marks will be available to view within 5 school days after the evaluation has been given. Cumulative grades will not be available until just after first report card time. After first report card, cumulative grades will be displayed continuously. Grades will be calculated by *Outcome Based Grading*. This means that the course grade shown will not necessarily be valid when a new unit is started up until the first test. It will be valid after the first test in each unit.