Chemistry 20 IB: Course Outline **Instructor:** Mrs. Gabelmann

Resource Text: Inquiry into Chemistry, McGraw-Hill Ryerson. (2007)

Evaluation :

Labs, Assignments, Quizzes 20% Exams 50% Final Exam 30%

Course Content

Regular Chemistry 20 Topics			
	Unit Name	**Textbook References**	**Associated Exams**
Unit A	The Diversity of Matter and Chemical Bonding	Chapters 1,2	Chemical Bonding Exam
Unit B	Forms of Matter: Gases	Chapters 3,4	Gas Laws Exam
Unit C	Matter as Solutions, Acids and Bases	Chapters 5,6	Chapter 5 Exam (Solutions) Chapter 6 Exam (Acid/Base)
Unit D	Quantitative Relationships in Chemical Changes	Chapters 7, 8	Chapter 7 Exam Chapter 8 Exam
Additional IB Materials			
	Environmental Chemistry		
	Chemical Kinetics		
	Periodic Trends		
	Group 4 Project		

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IB learners strive to be:

Inquirers They develop their natural curiosity. They acquire the skills necessary to conduct inquiry and research and show independence in learning. They actively enjoy learning and this love of learning will be sustained throughout their lives.

Knowledgeable They explore concepts, ideas and issues that have local and global significance. In so doing, they acquire in-depth knowledge and develop understanding across a broad and balanced range of disciplines.

Thinkers They exercise initiative in applying thinking skills critically and creatively to recognize and approach complex problems, and make reasoned, ethical decisions.

Communicators They understand and express ideas and information confidently and creatively in more than one language and in a variety of modes of communication. They work effectively and willingly in collaboration with others.

Principled They act with integrity and honesty, with a strong sense of fairness, justice and respect for the dignity of the individual, groups and communities. They take responsibility for their own actions and the consequences that accompany them.

Open-minded They understand and appreciate their own cultures and personal histories, and are open to the perspectives, values and traditions of other individuals and communities. They are accustomed to seeking and evaluating a range of points of view, and are willing to grow from the experience.

Caring They show empathy, compassion and respect towards the needs and feelings of others. They have a personal commitment to service, and act to make a positive difference to the lives of others and to the environment.

Risk-takers They approach unfamiliar situations and uncertainty with courage and forethought, and have the independence of spirit to explore new roles, ideas and strategies. They are brave and articulate in defending their beliefs.

Balanced They understand the importance of intellectual, physical and emotional balance to achieve personal well-being for themselves and others.

Reflective They give thoughtful consideration to their own learning and experience. They are able to assess and understand their strengths and limitations in order to support their learning and personal development.

Chemistry 20 IB is intended for students who are prepared to work at an accelerated pace compared to students in the regular Chemistry 20 program

Academic Behavior Policies
Assignments

Assignments are designed to help develop understanding of a topic, and are an opportunity for a student to demonstrate their knowledge and understanding. Assignments are carefully planned to help reinforce concepts that are taught in class, which means that they are most effective in enhancing learning when they are completed in a timely manner. To this end, it is important that assignments are handed on their due date. This allows the teacher to mark the assignment and provide feedback to the student. If you are unable to complete an assignment for the due date, you should speak to your teacher as soon as possible.

The following procedure will be in place for late assignments:

1) Students may hand in late assignments without penalty up until the day that the corrected assignments are handed back to students.
2) A student that has not submitted an assignment by the time it is passed back to the other students will still have an opportunity to complete the assignment and hand it in. However, the assignment must be completed in front of the teacher. The opportunity to complete these late assignments will be at lunch. Students should be prepared to spend their lunch-hour in the classroom working.
3) Students who have started, but not completed an assignment should hand in the work that they have done to the teacher on the day that corrected assignments are passed back. The student should indicate to the teacher that they wish to complete the assignment during a lunch hour.
4) The final deadline for submitting late assignments for a particular unit will be set by the teacher. It will usually coincide with the date of the unit exam.
5) Communication regarding late assignments will be done through PowerSchool, so it important to regularly check your marks.

Exams

Exams dates are set for the end of each unit. Students who miss an exam for any reason will be required to attend a tutorial session before writing a make-up exam. The date of the make-up exam will be set ahead of time. Students who miss the mandatory tutorial session or the make-up exam for any reason will receive a mark of zero for that exam. At the end of the semester the student will have the opportunity to write a replacement exam, and the mark on that exam will replace the zero for the missed unit exam.

Lab Policy

All students are responsible for acquiring and wearing personal protective equipment (PPE) in the science laboratory. PPE includes safety glasses, an apron, and rubber gloves. If you did not keep your PPE from Science 10, you will need to purchase a new set for $5.00. PPE should be kept in its labeled ziplock bag in the classroom when not in use. All equipment is required for all Chemistry 20 labs.
Long hair must be tied back. Closed toed shoes must be worn; sandals are **not permitted**. Those students who do not wear their safety equipment will not participate in the lab and will not receive a grade until the lab is completed.

If you break any equipment, while in the course of a laboratory, you **will be charged** for the replacement of that equipment. Students are expected to exercise careful laboratory technique while performing any experiment.