

# International Baccalaureate Chemistry SL/HL Syllabus

**Teacher:** Kim Everett

**School Phone:** 416-8820 (best contacted by e-mail)

**Office Hours:** 2:15 –3:30 p.m. (excluding Wed.)

**Room:** 322

**E-mail:** [everettkimberly@mcsk12.net](mailto:everettkimberly@mcsk12.net)

**Introduction:** Welcome to IB Chemistry. IB Chemistry is an advanced science course; it can be a difficult course at times! In IB Chemistry our pace will be faster and the math will be more comprehensive than a standard Chemistry class. You must be disciplined enough to work on your own and to ask for help when you need it

**Schedule:** Subject to change.

	SL – 1 <sup>st</sup> Year	HL – 2 <sup>nd</sup> Year
1 <sup>st</sup> Nine Weeks	Topic 11: Measurement and Data Processing Topic 10: Organic Chemistry Topic 1: Quantitative Chemistry	Topic 1: Quantitative Chemistry Topic 12: Atomic Structure Topic 13: Periodicity Topic 14: Bonding
2 <sup>nd</sup> Nine Weeks	Topic 2: Atomic Structure Topic 3: Periodicity Topic 4: Bonding	Topic 15: Energetics Topic 16: Kinetics Topic 17: Equilibrium
3 <sup>rd</sup> Nine Weeks	Option F: Food Chemistry Topic 5: Energetics Topic 6: Kinetics Topic 7: Equilibrium	Option F: Food Chemistry Topic 18: Acids and Bases Topic 19: Oxidations & Reduction Topic 20: Organic Chemistry
4 <sup>th</sup> Nine Weeks	Topic 8: Acids and Bases Topic 9: Oxidation & Reduction Review for SL Papers	Option G: Further Organic Chemistry Review for HL Papers

**Evaluation:** Grades will be based on the student's performance on tests, daily work, and lab activities. The following is a breakdown of the worth of each grading category: Tests: 60%      Lab Activities: 30%      Daily Work: 10%

**Make-up Work Policy:** Make-up work is defined as work assigned/taken up during an excused absence from class. All make-up work must be completed within one week of the return of an absence. Failure to complete make-up work within the allotted week will result in zeros being recorded for all work not completed. Make-up work sessions will be everyday (excluding Wednesdays) after school between 2:25 p.m. and 3:15 p.m. All work must be completed by 3:15 p.m. There are no exceptions to this policy.

**Late Work Policy:** Late work is defined as any work not turned in during class when the student is present. Late work will only be accepted for half credit when personally handed to the teacher before school the next school day morning. Work left in the teacher's mail box, on the teacher's desk, turned by other students, or left by any other method will not be accepted for a grade. There are no exceptions to this policy.

**IB External Assessment:** The IB external assessment consists of three written papers. The word "papers" means exams or tests. These papers are given in mid-May.

**Paper 1** is made up of multiple-choice questions that test knowledge of the core only for students at SL and the core and AHL material for students at HL. No marks are deducted for incorrect responses. Calculators are not permitted, but students are expected to carry out simple calculations.

**Paper 2** tests knowledge of the core only for students at SL and the core and AHL material for students at HL. The questions address objectives 1, 2 and 3 and the paper is divided into two sections. In section A, there is a data-based question that requires students to analyze a given set of data. The remainder of section A is made up of short-answer questions. In section B, students at SL are required to answer one question from a choice of three, and students at HL are required to answer two questions from a choice of four. These extended-response questions may involve writing a number of paragraphs, solving a substantial problem, or carrying out a substantial piece of analysis or evaluation. A calculator is required for this paper.

**Paper 3** tests knowledge of the options and addresses objectives 1, 2 and 3. Students at SL are required to answer several short-answer questions in each of the two options studied. Students at HL are required to answer several short-answer questions and an extended-response question in each of the two options studied. A calculator is required for this paper.

**IB Internal Assessment:** There are five assessment criteria that are used to assess the lab work of both SL and HL students. They are as follows: Design—D, Data collection and processing—DCP, Conclusion and evaluation—CE, Manipulative skills—MS, Personal skills—PS. The first three criteria—design (D), data collection and processing (DCP) and conclusion and evaluation (CE)—are each assessed twice. Manipulative skills (MS) is assessed summatively over the whole course and the assessment should be based on a wide range of manipulative skills. Personal skills (PS) is assessed once only and this should be during the group 4 project. Each of the assessment criteria can be separated into three aspects as shown in the following sections. Descriptions are provided to indicate what is expected in order to meet the requirements of a given aspect completely (c) and partially (p). A description is also given for circumstances in which the requirements are not satisfied, not at all (n).

## Rules:

- Be on time & prepared for class everyday -- book, scientific calculator, paper, pencil.
- Raise hand and get permission before speaking or getting out of seat.
- Be respectful of others.
- Sleeping /Working on other subjects will not be tolerated.
- No bathroom passes while I'm teaching, nor during the first or last 15 minutes.

## Consequences:

- Student stands in class, teacher conference with student.
- Parent phone call/e-mail, student stands.
- Parent conference with administrator, student stands.
- Serve Clause: Serve behavior disruptions will result in disciplinary action by office, and immediate removal from the classroom.