



Tohoku International School

Secondary School Course Syllabus

Course Title: Chemistry and Biology	Teacher: Mr. Jonathan Dawson (e): jdawson@tisweb.net																				
Grade Level(s): Grade 9-10	Time Frame: 37 weeks																				
Course Description: <p>In this course, you will be introduced to the basic concepts of Chemistry and Biology.</p> <p>In the first half of this year, we will study Chemistry, the study of the different materials that make up the world around us and how they interact. We will be looking at matter, atoms, elements, reactions and specific gases and solutions. This foundation of Chemistry will help you both in the next units on Biology, but also equip you with the fundamentals knowledge and skills that can support further study of Chemistry in the Diploma Programme.</p> <p>In the second half of the year we will study Biology, the study of life and the components that allow life to exist and continue. We will be looking at how specific parts of chemistry enable life to exist, some basic understanding of how life is organised at different levels of complexity, and an in-depth look at various traits and how the process of inheritance works. An understanding of this subject will allow us to better understand life and the impact of biological processes on different species. This fundamental knowledge is a groundwork for further study in the Diploma Program.</p>																					
Units of Study:																					
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Course Specific Materials Required:																					
<ul style="list-style-type: none">● Specific section in A4 Binder for Science● Writing utensils (pen, pencil, eraser, ruler, markers or colored pencils)● Calculator																					

Tohoku International School:

A community of learners preparing for life in an evolving global society

General Science (cont'd)

Grading policy:

Projects – 40%

This includes case studies, formal roundtable discussions, debates and laboratory investigations. Students will present their findings in a variety of methods, including lab reports and poster presentations.

Exams and Quizzes– 30%

There will be exams at the end of every unit, and open-note quizzes throughout the year.

Class work – 20%

This includes daily assignments completed in class.

Learning Skills – 10%

This includes attendance, organization, completion of homework and the ability to take initiative and work productively in various settings.

Make-up work:

If you miss class for any reason, it is YOUR responsibility to get and make up the assignments. If you miss class during a quiz or test day, you can only make it up during lunch or before/after school. If it is known that you will miss an assessment or due date then please inform Mr. Dawson to arrange alternate assessment arrangements.

Late work:

As per school policy, unless arrangements have been made with Mr. Dawson, late work receives a 20% reduction to the score, and will receive a final score of 0% if submitted more than 7 days after the original due date.

Academic Honesty is important.

Do your OWN work. Do not copy or plagiarize anyone else's assignment. If you are caught copying, plagiarizing, or turning in work that is not yours, you will receive a zero.

Expectations of Mr. Dawson:

In this classroom, there are high expectations for both of us. You can expect that I will

- be fair and consistent
- work hard for our success
- provide a safe learning environment
- do my best to make things interesting, enjoyable, challenging and fun
- be available as best as I can to help you achieve.

Let's have a great year!