# Pre-AICE Chemistry

Mr. Freidus

Room 08-008

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 **2018 - 2019**

**Seabreeze High School**

Welcome to Pre-AICE Chemistry!! I am extremely excited to begin this new year, and I can’t wait to get to know each of my new students. If you are taking this course, you most likely excelled in your previous science courses, and I hope to farther advance your enthusiasm in the scientific field.

The curriculum for this course is rigorous, but I truly believe that if you got here, you can handle it. Please feel free to discuss concerns you may have at any time. I believe you will find I am easy to get along with and that I am here to help you succeed. That being said, prepare for some hard work. Like anything, the more you put into this class, the more you will get out of it.

**Course Description**

Students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Laboratory work is incorporated throughout the course, allowing students to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: measurement, atomic structure, electron configuration, the periodic table, bonding, gas laws, solutions, stoichiometry, reactions, kinetics, equilibrium, and acids and bases.

**Textbook**

Cambridge IGCSE –Chemistry Coursebook (Harwood and Lodge 4th Edition)

**Class Website:**

[www.freiduschem.weebly.com](http://www.freiduschem.weebly.com) – This is my class website, and nearly all class material and presentations will be available here.

**Grading**

Follows the county format. SPECIFICALLY:

* Summative Assessments (Tests, Formal Lab Reports) 60%.
* Formative Assessments (Quizzes, Informal Lab Reports) 40%

**Test Corrections for Redemption and Homework**

Homework will be assigned but not collected for a grade. However, I do allow test corrections for additional points on selected summative assessments, **if and only if, all associated homework is submitted by the assigned due date.**

**Office Hours**

I am here to assist in any way possible, and I really want every student to succeed. Therefore, I make sure to remain available for students as much as possible.Following are the best ways to receive assistance:

**Before School**: This is a good time to get some quick questions answered.

**During Lunch**: I am available every day all lunch with the exceptions of certain Fridays when faculty meetings may occur.

**After School:** I am around for a little while most days. To be sure though, it is best to let me know that you plan on coming by so I know to stick around.

**Supplies**

1-1/2” or 2” Binder

**Calculators**

The Cambridge Examinations only allow the use of 4-Function Calculators. Students will be required to use my class set of calculators during assessments. Students may utilize their own calculators for practice, but it is not required.

**Labs**

Safety during labs will be STRICTLY enforced.

* Open toed shoes, baggy clothing, or loose hair are not allowed during labs. Lab days will be announced in advanced, so please dress accordingly.
* Prior to participating in any lab, students must read and sign the provided Lab Safety Contract. These Contracts must also be signed by a parent.

**Course Outline**

Unit 1 – Experimental Techniques

Unit 2 – Particles, Atomic Structure, Ionic Bonding and the Periodic Table

Unit 3 – Air and Water

Unit 4 – Acids, Bases and Salts

Unit 5 – Reaction Rates

Unit 6 – Metals and the Reactivity Series

Unit 7 – Covalent Bonding

Unit 8 – Organic 1

Unit 9 – Amount of Substance

Unit 10 – Organic 2

Unit 11 – Redox, Electrochemistry and Group VII

Unit 12 - Equilibria

\*\*\* **Please complete and return this form to Mr. Freidus\*\*\***

**Pre-AICE Chemistry**

**Syllabus**

 **Seabreeze High School, 2018-2019**

 **Mr. Freidus, Room 8-008**

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***I have received and read the syllabus for Chemistry 1 Honors.***

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Student Signature Print Name Date

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Parent Signature Print Name Date

Parent Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please sign and return this form to class.