**Applied Science & Technology**

**Mrs. C. Isernhagen Room 245**

**Course Outline 2018-2019**

**isernhagen.weebly.com 🡨 assignments, due dates & resources**

**REMIND APP**

Text **@isernhagen** to **819-801-0336** to receive reminders for Mrs. Isernhagen’s Applied Science class.

**Course Content:**

This course explains key topics in science that build on many topics that students have been exposed to in gr9.

Our topics will be:

 **Electricity & Magnetism Energy Resources**

 **Mechanical & Electrical Engineering** Drafting & **Manufacturing** Forces Lithosphere & Hydrosphere

Matter & Energy Ecosystems

**Chapter sequence**: 5, 14, 3, 4, 12, 13, 6, 7, 8, 10 a detailed syllabus is available on my webpage.

**Text & Workbook: Observatory: The Environment,** by M. Cyr, D. Forget and J. Verreault.

**Evaluation:** Students will be evaluated on their ability to demonstrate these two competencies:

**40% Practical -** Competency 1 (C1): Problem solving through **experimentation.**

Uses scientific methodology, solutions and vocabulary

**Labs & Projects**

**60% Theory -** Competency 2 (C2): **Analysis.** Analyzing phenomena and applying it.

Uses the concepts, models and laws of science appropriately

Applies these concepts in an relevant and correct manner leading to suitable justifications

**Tests 30% Quizzes 10% Assignments 15% Homework 5%**

**Overall Mark**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Term 1 | Term 2 | Term 3 | June Exam | Overall |
| Practical (C1) | 8 % | 8 % | 8 % + 16 % (lab exam held in class) |  | 40 % |
| Theory (C2) | 6 % | 6 % | 18% (~7% Feb ex + ~11% T3) | 30 % | 60 % |

**Exams**:

 Term 2 Midterm 🡪 Theory Exam during the week of February 4th.

 Term 3 Final 🡪 MEES Uniform Exam accounts for 50 % of the C2 mark. Moderated by MEES.

 🡪 Lab Exam accounts for 40% of the C1 mark.

**Suggested Class Materials:**

* 1 binder to be used exclusively for science
* Paper \*
* 3 dividers (1- assignments, 2- quizzes & tests, 3- labs)
* One sheet protector is useful for formula sheets
* Regular writing supplies (pencils, pens, eraser, sharpener etc)
* Regular inexpensive calculator.

\* Some students prefer to use a bound notebook (such as 3 holed Hilroy notebooks), that can be kept in the binder, but allows the notes to remain together throughout the year.

**General Information:**

1. If you are **absent**, it is your responsibility to acquire and copy notes, pick up assignments and inquire of any test or quiz dates that were set.

A copy of the notes are kept in a binder in the classroom and digitally on my website.

All assignment, quiz and test information is available on the homework board & my website.

1. **Late assignments** will be penalized by 1 mark/class until returned to students. (Email in case of illness.)

**You should always hand something in, even if it is not perfect!**

**I cannot assign a mark if you have not shown any evidence of work!**

1. **School rules are expected to be followed at all times.**

**How to succeed:**

1. Participate actively.
2. Complete and hand in all assignments.
3. Review class notes and assignments before each test or quiz.
4. Come see me for **extra help**, I will post a schedule at my door in the next couple of days.
5. Practice! Homework will be assigned and checked for completion and will contribute to your term mark and attitude to study.

**If you have any considerations that I should be aware of, please come see me or send me an email at: cisernhagen@wqsb.qc.ca.**

***Best wishes toward a successful year!***