**SCIENCE 8 HONOURS COURSE OUTLINE**

**Teacher:** Ms. Wilson,Room A202.

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**Website:** wilsonswebpage.com

**Textbook:** BC Science 8 McGraw-Hill Ryerson

*Keep this outline in the front of your binder to refer to throughout the year.*

**REQUIRED MATERIALS:**

* Pen/pencil/eraser/ruler
* Binder with lined paper and dividers
* Calculator
* Electronic Device at home

**CLASSROOM EXPECTATIONS:**

1. **Social responsibility**:
* Treat others and your environment with kindness, dignity and consideration. Be kind. Be helpful. Be safe.
1. **Personal responsibility**:
* **Come prepared:** Arrive on time, with all necessary supplies, ready to work.
* Follow all safety procedures.
* **Own your learning**: Stay on top of your work, recognize when you need to ask for help, and give it your all.
* **Absences:** All absences must be excused by a parent/guardian who calls the office before school starts on the day you are absent. If you miss a class, students are responsible to find out what was missed and get caught up in a timely fashion by checking the schedule at[**http://www.wilsonswebpage.com**](http://www.wilsonswebpage.com)**.**
* **Homework:** Expect regularly assigned homework to work on both in class and at home. Homework is to be completed and ready to be checked or handed *in at the beginning of class.*Late assignments will negatively affect the student’s work habit grade. *Late work will not be accepted if it does not meet the minimum requirements of a passing (50%) assignment*.
* **Cell phones:** Cellphones are not permitted during instructional time and are expected to be left in your backpack and turned off during class time. *Students caught using a device during instruction may have it removed from their person and placed on the white board ledge until the end of class.*Students may use cell phones to listen to music during independent work time only after asking for teacher permission

**MARKING BREAKDOWN: WEIGHTING:**

|  |  |
| --- | --- |
| Tests and Quizzes | 60% |
| Projects  | 25% |
| Homework and Labs | 15% |

|  |  |
| --- | --- |
| Term 1 | 33% |
| Term 2  | 33% |
| Term 3 \* | 34% |

*\* There will be no Final Exam*

**COMPETENCIES (SKILLS) YOU WILL BE DEVELOPING:**

* Questioning and predicting
* Planning and conducting
* Processing and analysing data and information
* Evaluating
* Applying and innovating
* Communicating

*\*\*\* As this is an honours class, you will be covering more topics, in more depth, at a faster rate, and will be graded to a higher standard. It is of upmost importance that you be proactive about your learning by staying on top of assignments and studying regularly. \*\*\**

**CONTENT YOU WILL LEARNING:**

|  |  |
| --- | --- |
| Lab Safety | Safety Rules, WHMIS Symbols, Lab Equipment |
| Scientific Method | Experimental Design, Questioning and Predicting.  |
| Biology Unit | Characteristics of Living Things, Cell Theory, Cell Structures and Functions, Types of Cells, Microscopes, Immune System, Cell Cycle, Asexual Reproduction, DNA structure and replication |
| Chemistry Unit | Properties of Matter, Classifying Matter, Kinetic Molecular Theory, Atomic History and Structure, Trends of the Periodic Table, Naming Compounds |
| Physics Unit | Electromagnetic Radiation, Light can behave light a particle or a wave, Vision |
| Earth Science Unit | Plate Tectonics: Layers of the Earth, Plate Boundaries, Volcanoes, Earthquakes |