**Science 9 2021-2022**

Teacher: Ms. Wilson, Room

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Website: wilsonswebpage.com

Textbook: Science Probe 9

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

The aim of this course is to develop your scientific inquiry skills and develop the following competencies:

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

In this course we will foster and encourage the spirit of inquiry. You will develop your scientific knowledge and skills. Good learning, research, and study skills will be developed. The impact and application of science and technology will be emphasized.

**Required Materials:**

* Pen/pencil/eraser
* Binder with lined paper and dividers
* Calculator

**Classroom Expectations:**

1. RESPECT – respect each other, the teacher, school supplies, and your own learning in the class at all times.
2. Arrive on time with all materials ready to go.
3. Follow all safety procedures required in the class and in the lab.

**Absences:**

Please let me know in advance if you know you will be missing any classes. If you miss a class, **you are responsible for finding out what you missed.** Assignments are posted at **http://www.wilsonswebpage.com.**

If you are going to miss a test, I should be notified ahead of time when the absence is known in advance. If the absence is due to illness, I should be emailed in the morning to notify me of the absence prior to the test block.

Absences must be excused with a written note or an email from your parent/guardian detailing the date and reason.

It is the student’s responsibility to arrange a time with me when to make up the missed test.

**Homework:**

You will be expected to practice and extend your knowledge of concepts learned in class at home. A lot of science can only be fully understood through practice and independent learning. You can expect regularly assigned homework.

Homework is to be completely and ready to be checked or handed in **at the beginning of class.**

Late assignments will negatively affect the student’s work habit grade and consistently late work will result in a phone call home. Late work will not be accepted if it does not meet the minimum requirements of a passing (50%) assignment.

**Science 9 TOPICS**

**Chemistry:** BIG IDEA – The electron arrangement of atoms impacts their chemical nature.

**Biology:** BIG IDEA – Cells are derived from cells.

**Physics:** BIG IDEA – Electric current is the flow of electric charge.

**Ecology:** BIG IDEA –The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

**Marking Breakdown:**

|  |  |
| --- | --- |
| Tests and Quizzes | 65% |
| Projects | 15% |
| Assignments (labs and homework) | 10% |

**Classroom Procedures:**

1. **Lates**
   * Enter quietly, immediately go to your seat and start working
   * Recurring lates will negatively affect your work habits mark and will involve communication with parents, counsellors, and administrators
   * It is your responsibility ensure you are marked as late and not as absent.
2. **Washroom Breaks**
   * Please ask before your leave the room (the teacher needs to know where each student is in the case of an emergency such as an earthquake or fire)
   * Sign your name out when you leave on the “Out of Room” whiteboard and erase it when you return
   * Use only at the appropriate times (example: during individual seat work)
   * Only one person is permitted to leave the room at a time
   * Do not waste time in the halls when out of the classroom

**3. Cell phones**

* **Cell phone use during instructional time is not permitted** 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.
* Phones are not permitted as calculators during tests.
* Students may use cell phones to listen to music during independent work time **only after asking for teacher permission.**