



# Science 9

**Mrs. K. Hill**  
**Room K221**

## Course Overview

### **UNIT I: Biology**

Cell division, sexual and asexual reproduction, and reproductive technologies in embryonic development.

### **UNIT II: Chemistry**

Atomic theory, periodic table, chemical symbols, ionic formulae and changes of matter.

### **UNIT III: Physics**

Static electrical charges, electric current, series and parallel circuits, resistances, voltages and power consumption

### **UNIT IV: Space Science**

Astronomical phenomena, components and characteristics of the universe and solar system, implications of space travel, and aboriginal perspectives

**NOTE:** Throughout the course you will be learning about lab safety, controlled experiments, evaluation of data and the use of models.

## Evaluation

Biology .....	20%
Chemistry .....	20%
Physics.....	20%
Space Science .....	20%

Marks will be based on assignments and labs (40%), quizzes, chapter tests and unit tests (40%) and term tests (20%). Marks will be accumulated throughout the semester and the first report card mark will be a “snapshot” of this accumulated mark.

## Required Materials

Please bring the following to EVERY class:

- Pen, pencil and eraser
- CALCULATOR
- Binder with lined loose-leaf paper
- Science 9 Textbook
- Science 9 Notes Booklet
- Science 9 Assignments and Labs Booklet

\*For certain sections of the course, you will find it useful to bring pencil crayons, and a metric ruler.

# Classroom Expectations

The following expectations must be followed at all times:

1. Raise your hand to ask or answer a question.
2. Be quiet while you are doing your work and remain in your assigned seat so that you do not disturb other students.
3. Use the bathroom and drinking fountain between classes and at breaks. Students will not normally be permitted to leave the classroom once class has started. Students are required to have permission to leave the classroom.
4. Students need to be in their assigned seat with all required materials by the time the bell goes. In addition, students are expected to work until he/she is asked to clean up or is dismissed by the teacher.
5. Rudeness or inappropriate behaviour of any kind will not be tolerated. Students are expected to conduct themselves in a mature manner.
6. Students are expected to arrive in class with a positive attitude. Negativity, of any kind, will not be tolerated.
7. For your safety, and the safety of other students, food, gum and drink, other than bottled water, will absolutely not be tolerated in class and must be disposed of before students enter the classroom.
8. Cell phones are to be turned off at all times and left out of sight while the classroom, except when used for research.
9. Musical devices such as iPods, MP3 players, etc. may only be used, on a low volume setting, when a student is working individually on an assignment. Please have your musical devices put away at all other times.
10. Extra help is always available. If you are having difficulty or need extra work time, it is your responsibility to see the teacher to make an appointment for a Monday or Thursday lunch hour.
11. In addition, you may utilize Connections Block, Study Block and after school AI.

## Other Information

1. Tardiness will result in a lower effort mark for the term. Remember, if you are not in your seat and ready for class when the bell goes, **YOU ARE LATE!** If you come to class after the second bell has rung, **QUIETLY** enter the room, write your name on the board and **QUIETLY** have a seat.
2. Students will have multiple opportunities to demonstrate learning including assignments, labs, projects, quizzes, chapter tests and unit tests. Students will have the opportunity to omit one quiz each term. The quiz must be omitted when written (ie. it cannot be omitted a week or month later). As per Science Department policy, there will **NOT** be any rewrites on tests.
3. **You will receive zero for any assignment, lab, quiz or test which involves copying or cheating and you will receive an automatic “N” on your next term report. If you lend an assignment or lab to another student and he/she copies the assignment or lab, you are considered to be “party to the offense” and will suffer a similar penalty to the person who did the copying.**
4. All assignments must be completed and handed in by the date specified. You should know if something is due or not. Students will generally have a one week grace period in which to hand in assignments after the due date (k.a. “Dead Date”), assignments will **NOT** be collected after this time period. Once assignments have been marked and handed back to the rest of the class, students will be required to complete the **ENTIRE** assignment in the classroom during lunch time to avoid plagiarism. At the discretion of the teacher, this may be an alternative assignment.
5. You are responsible for **ALL** missed work during an absence. If you are absent it is your responsibility to make sure your absence is excused in the office in a timely manner. If you have missed a test or quiz, you must see the teacher **PRIOR** to **LUNCH BREAK** on your **FIRST** day back to discuss the reason and schedule a time to write the test or quiz. At the discretion of the teacher, students who have missed a test due to an unexcused absence or have an excused absence and have **NOT** made alternative arrangements may be required to write an alternative test.
6. Students may access the topic of lessons covered in class, assignments assigned, quiz dates and test dates by visiting my webpage: <http://hillbiology.weebly.com/>
7. You can sign up for text message or e-mail reminders. See our webpage under “Science 9”, “links” and “Sign up instructions for Remind 101”

A lot of information will be covered in a short amount of time. While most assignments will be due at the end of class in which it was assigned, students should expect to review work covered in class each evening! It is also recommended that students write and use Flash Cards/Vocabulary Cards.

**WELCOME TO SCIENCE 9 AND I HOPE THAT YOU HAVE A VERY SUCCESSFUL SEMESTER!**