



# Biology 11

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

## Course Overview

- UNIT I:** *Taxonomy*  
Kingdom system of classification, binomial nomenclature, characteristics of kingdoms.
- UNIT II:** *Evolution*  
Structure and role of DNA, agents, patterns and tempo of evolutionary change.
- UNIT III:** *Ecology*  
Roles of organisms, energy flow, photosynthesis and cellular respiration, factors affecting population growth.
- UNIT IV:** *Microbiology*  
Viruses and Monera
- UNIT V:** *Plant Biology*  
Green algae, mosses, ferns, gymnosperms and angiosperms, adaptations of plants to land environment.
- UNIT VI:** *Animal Biology*  
Porifera (sponges), Cnidaria (jellyfish), Platyhelminthes, Nematoda, Annelida (worms), Mollusca (clams), Echinodermata (sea stars), Arthropoda (insects, crabs), and Chordata Subphylum Vertebrata (frogs)

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

## Evaluation

Taxonomy .....	4%
Evolution .....	6%
Ecology .....	11%
Microbiology .....	22%
Plant Biology.....	22%
Animal Biology.....	35%

Marks will be based on assignments and projects (20%), labs (20%), quizzes (10%) and tests (50%). Marks will be accumulated throughout the semester and the first report card mark will be a "snapshot" of this accumulated mark.

***The final exam will represent 25% of the final letter grade and the classroom mark will represent 75%.***

## Required Materials

Please bring the following to EVERY class:

- Pen, pencil and eraser
- CALCULATOR
- Binder with lined loose-leaf paper
- Biology 11 Notes Booklet (**which can be purchased for \$3.00**)
- Biology 11 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. 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 exams. There will be opportunities to re-write classroom quizzes. In order to re-write, students must get extra help on the concept during lunch with the teacher and quiz re-writes **MUST** occur **BEFORE** writing the test on the same topic. 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 which is linked off the SKSS Homepage: <http://hillbiology.weebly.com/>
7. You can sign up for text message or e-mail reminders. See our webpage under “Biology 11”, “links” and “Sign up instructions for Remind 101”

This type of course requires involvement of students in his/her learning. That is, the teacher cannot give all the course material in the class by simply lecturing. Reading assignments and exercises will be given and are expected to be completed. Questions will be asked in class and are expected to be answered. In addition, Biology 11 is similar to a foreign language course in that hundreds of new terms will be introduced. I recommend that you write and use Flash Cards/Vocabulary Cards.

WELCOME TO BIOLOGY 11 AND I HOPE THAT YOU HAVE A VERY SUCCESSFUL SEMESTER!