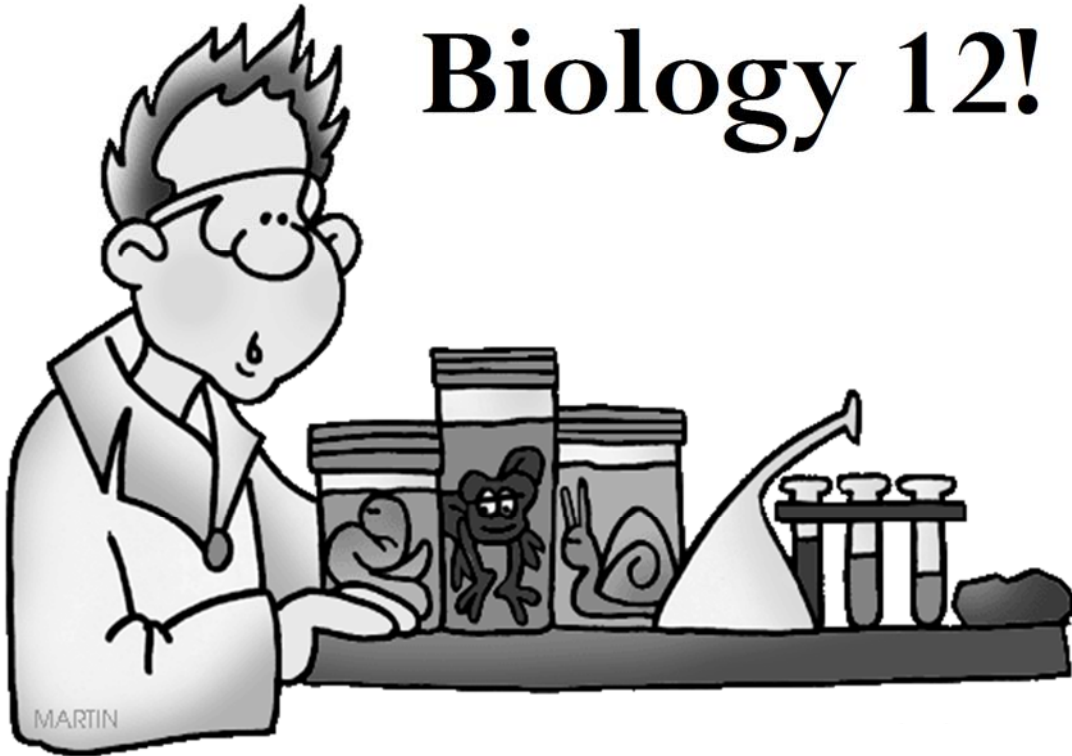


Welcome to Biology 12!



Teacher: Mrs. A. Frost

Best contact method: afrost@sd57.bc.ca OR Edmodo

Alternate contact method: 250-563-7124 (ext 2322)

Digital Classroom: dpssbiology12.weebly.com

(old website still available: dpss.sd57.bc.ca/~afrost)

Online Marks: duch.sd57.bc.ca/~afrost/marks

Course Outline

Required Materials

- Textbook – BC Biology 12
- Large 3-ring binder(s)
- 12 dividers (labeled as indicated below)
- 1” 3-ring binder ← Fetal Pig Dissection Portfolio
- The basics (lined paper, pens, pencils, small ruler...)
- CAMERA (for dissection portfolio – can be either high quality cell phone camera or digital camera)
- 10-20 page protectors (for dissection portfolio)
- Optional (but handy): fine tip black or blue pen for dissection labels

Course Binder Setup

1. Introductory & Human Organization		Ch.1 & 8
CELL BIOLOGY		
2. Biochemistry (12%)	PLO B2, B3, B4	Ch.2
3. Cytology (12%)	PLO B1, B9, B10	Ch.3
4. DNA (7%)	PLO B5, B6, B7, B8	Ch.4 } combined
5. Enzymes (7%)	PLO B11	Ch.5 }
HUMAN BIOLOGY		
6. Nervous System (15%)	PLO C11, C12	Ch.12
7. Circulatory & Lymphatic Systems (15%)	PLO C3, C4, C5, C6, C7	Ch.10
8. Digestive System (8%)	PLO C1, C2	Ch.9 } combined
9. Respiratory System (8%)	PLO C8, C9, C10	Ch.11 }
10. Urinary System (8%)	PLO C13	Ch.13 } combined
11. Reproductive System (8%)	PLO C14, C15	Ch.14 }

Grading

- **Unit Marks (70%)**
 - Assignments, Labs, Projects, etc. (30%)
 - Quizzes (10%)
 - Tests (60%)
- **Cumulative Course Work (30%)**
 - Dissection Portfolio (15%)
 - Course Review Project (15%)
 - Includes a report and presentation on a human disease or disorder

NOTE: both MUST be completed to pass the course as they show a completed understanding of the course. Failure to turn in either will result in an “incomplete” mark being assigned for the course.

➤ FINAL EXAM

For this course, the final exam will either be OPTIONAL or MANDATORY

- To show that a student has understood all materials contained within the prescribed learning outcomes (PLOs), a student must pass all units with 60% or higher.
 - Any student who does this within the semester may CHOOSE to write the final exam in hopes of improving their overall mark OR simply take their course mark as is and not write the final exam.
 - Students who DO NOT PASS one or more units will be REQUIRED to write the final exam which will change their course mark weighting to the following:
 - Unit Marks (50%)
 - Cumulative Course Work (30%)
 - Final Exam (20%)

➤ REWRITES

- Students wishing to have the opportunity to redo **quizzes** must:
 - Have completed the practice quiz on Edmodo (if available) **PRIOR** to entering the class on the day of the quiz.
- Students wishing to have the opportunity to redo **tests** must:
 - Complete the “Rewrite Request Form” explaining what the student did to prepare as well as what they plan to do to improve their mark.
 - Prove that they put in adequate work prior to the test
 - This may come in the form of showing that all required class and homework was completed prior to writing the test (e.g. review questions, watching and commenting on Edmodo videos, doing available online practice quizzes, etc)
 - This must be presented to the teacher on the day the student receives the mark on the test (suggested to have all unit work gathered together PRIOR to writing the original test)
 - Put in additional effort to improve their knowledge
 1. Committing time before or after school, at lunch or during tutorial to additional study time
 2. Proving additional study by showing things such as additional notes from textbook, making flash cards, sending links of additional videos that were watched, etc.
 - Completing the above and showing up to rewrite at the designated time and place (within ONE WEEK). Failure to show up will VETO the chance to rewrite.
 - Students may choose to rewrite up to TWO tests and FIVE quizzes throughout the semester by using the class coupons. In each case, the MORE RECENT of the two marks will be recorded as it shows the most current understanding of the topic.

Online Study Sites (some linked through my website)

- Quizlet.com (make your own flashcards or search for premade sets)
 - Search “**DPSS Biology 12**” for the sets I’ve made for our class
 - Click on “Join” so I can see your progress
- Edmodo
 - Please create a student account and join my classroom using the code given in class
- BC Biology 12 (you can ask for a code for CONNECTschool online edition if desired)
- QuizMeBC (www.quizmebc.ca/quiz.php)
- Biology 12 Past Provincial Exams (www.questionbank.ca)
- Learn Now BC(learnnowbc.ca, sign up required)
 - Success Checker: practice tests
 - Live Tutoring: available from 6-10pm
 - Charged UP: streaming video lessons, quiz generator, written question practice
- Facebook
 - Like the “Science is Awesome” page if you love science – I learn something new and fascinating every day from this page!
- YouTube
 - Crash Course! **
 - Bozeman Science **
 - SciShow
 - Vsauce
- Any suggestions? If you know of something that would be helpful to your classmates let me know and I can add it to the list!

Things to Expect

So what kind of things can you expect to do in this course?

- Biochemistry: how do buffers work, identification of carbohydrates and proteins, build 3D models
- Cytology: make a fake cell, cell organelle mayoral campaign
- DNA & Enzymes: candy DNA, DNA bracelets, potential field trip to UNBC to participate in “Geneskool”
- Nervous System: sheep brain dissection
- Circulatory System: sheep heart dissection, using a sphygmomanometer, using an ECG
- Digestive System: cracker challenge, fetal pig dissection #1
- Respiratory System: measure lung capacity using spirometer, fetal pig dissection #2
- Urinary & Reproductive Systems: urinalysis lab, fetal pig dissection #3 & 4

Student Expectations

Attendance Policy

Take responsibility for your own learning. The only one hurt by your absence is yourself. It is in your best interest to be in class every day, on time and prepared for class. It is your job, not mine, to catch up immediately upon return from any absence. Any missed assignment, lab, quiz or test must be completed in a timely manner and on your own time. Any work that has been handed back or marked together in class can be considered “dead”. This means that work can no longer be handed in for full marks as I feel it is unfair to those students who completed the work on time and deserve timely feedback for that work. If you are late to class, quietly enter the room and take your seat. If you have an acceptable reason for being late, quietly enter the room and leave the note (from home, another teacher, yellow slip from office) on my desk. If you do not have a good reason for being late, enter the class quietly and take your seat. Numerous unexcused lates will be dealt with according to DPSS policy.

Electronic Devices

There are to be NO CELL PHONES or MUSIC DEVICES being used in the classroom without express consent of the teacher. Failure to abide by this will result in the item being confiscated without question and returned upon teacher discretion. I have nothing against technology in the classroom, in fact I wish we utilized it more. I also understand that these devices are your “life line” to the world outside the classroom but I find it highly disrespectful to myself as a teacher and detrimental to the quality of your learning as a student when these devices are used during class time. As young adults, you know that there is a proper time and place for everything.

Food and Drink

Liquids in a **lidded** bottle are the only consumable item allowed in the laboratory. Any food brought into the classroom may be thrown away without question (especially on lab activity days). If in doubt, leave your food or drink on the tables in the corner near the phone. As a senior laboratory, a large variety of potentially harmful materials will have come into contact with the various work surfaces in the room.

Other Topics to Discuss

- Seating plans
- Leaving class
- Copying
- Extra help or study space
- Student supplies
- Respect and positive behaviour