



McCreary School
Semester 1 – 2022/2023
Mrs. Lockhart

**Grade 11
Biology**

COURSE DETAILS

Course Code: 0124
Course Name: BIO30S
Credit Value: 1.0
Prerequisite: Science 20F

CONTACT INFORMATION

Room 14 McCreary School
MS Teams: Bio 30
Email: jlockhart@trsd.ca
School phone: 835-2083

COURSE TECHNOLOGY

Office 365
MS Teams: Bio 30

COURSE TEXTBOOK

Biology: The Dynamics of
Life, McGraw Hill - Glencoe
Science, 2004.

SUPPLIES

- 2" – 3 ring binder
- Loose leaf
- Ruler
- Pens
- Pencils
- Erasers
- Highlighters

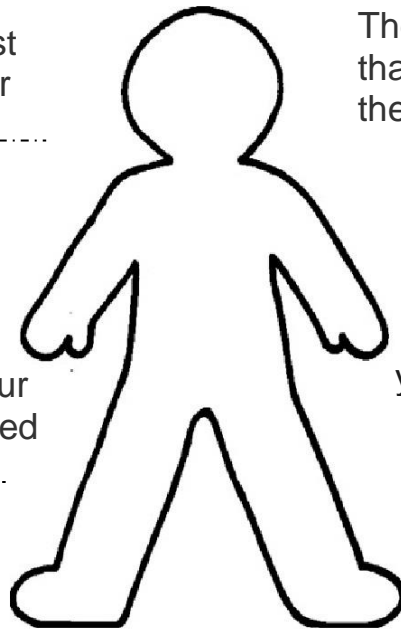
Welcome to BIOLOGY

The tongue is
covered in about
..... taste-buds.

You produce about
litres of spit in your lifetime.

The smallest
bone in your
body is

The only muscle
that never tires is
the



The entire
surface of your
skin is replaced
every
which put
another way
means you
have about
..... different
skins in your
life!

Did you know...
Every organ you
have two of,
you only need one
of to survive.

The small intestine
is roughly feet long.

You are about
..... taller in the
morning when
you first get up
than when you
go to bed.

Between birth and death, the human body goes
from having bones, to just

RULES & EXPECTATIONS

➤ Technology in the Classroom

Technology will be an integral part of the functionality of the classroom. Students will have access to the school laptops, but are also welcome to bring their own device. Improper use may result in a loss of certain privileges.

➤ Homework

You won't have homework every night, but when it is assigned it is expected to be completed on time. The flexibility of the course promotes self-pacing and self-monitoring. In order to get the greatest benefit from scheduled direct instruction, students need to be prepared, which means having assigned work completed.

➤ Incomplete and Late Work

Work is to be completed on time and to the best of the student's ability. Late or missing assignments will be penalized as outlined in the school student handbook, "Upon teacher discretion a maximum of 5% may be deducted for every day the assignment is not turned in. If the assignment is not turned in after two weeks or at the start of a new unit, the assignment will receive a mark of zero."

➤ Re-writes for Test and Assignments

Re-writes will not be available once a summative assessment has been graded and returned to students. If a student is unhappy with their grade they may meet with the teacher to discuss the possibility of completing an alternative assessment. The final decision is at the discretion of the teacher.

➤ Academic Dishonesty

Academic dishonesty (plagiarism and cheating) is a severe offence and will be dealt with according to the policy outlined in the school handbook.

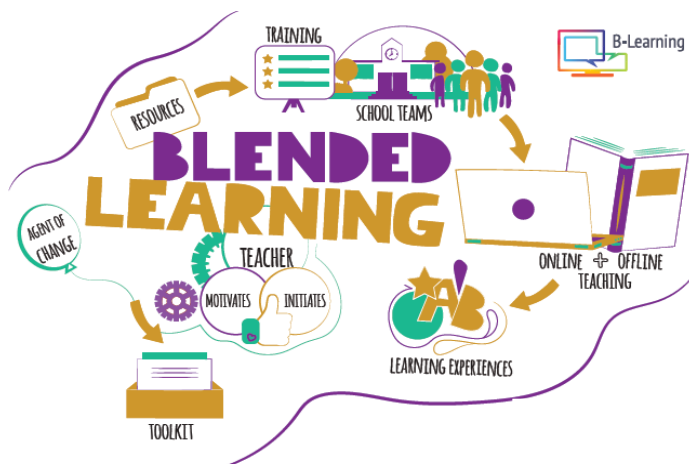
➤ Student Lates & Absences

Students who are late for class are asked to come in quietly without causing a disruption. Students who make a habit out of being late may not be allowed into the room if class has already begun.

If you are absent, YOU are responsible for finding out what you missed and making up all missed work. If you have an excused absence for the day of a test, please make arrangements to write it the day you return to school. If you skip a lab, test or quiz you will receive a zero.

➤ Extra help

Arrangements can be made for in person extra help before or after school or during lunch hour. Students can also ask for clarification or feedback via email, MS Teams chat or discussion post, or schedule a Teams meeting.



COURSE OUTLINE

Timeline	Unit & Topics	Unifying Concepts & General Learning Outcomes
September	Unit 0: What is Biology? <ul style="list-style-type: none"> ▪ Organization and Characteristics of Life ▪ Review of Basic Chemistry ▪ Science Methods 	<p>Several goals promoting the achievement of scientific literacy within Canadian science education were developed as part of the Pan-Canadian Science Framework.</p> <p>It is hoped that science education will:</p> <ul style="list-style-type: none"> ✓ Encourage students at all levels to develop a rational sense of wonder and curiosity about scientific and technological endeavors. ✓ Enable students to use science and technology to acquire new knowledge and to solve problems, so they may improve the quality of their own lives and the lives of others. ✓ Prepare students to address science-related societal, economic, ethical, and environmental issues critically. ✓ Provide students with a proficiency in science that creates opportunities for them to pursue progressively higher levels of advanced study, prepares them for science-related occupations, and engages them in science-related activities appropriate to their interests and abilities. ✓ Develop in students of varying aptitudes and interests a knowledge of the wide variety of careers related to science, technology, and support for the natural and human environments.
	Unit 1: Wellness and Homeostasis <ul style="list-style-type: none"> ▪ Homeostasis and Negative Feedback ▪ Cell Membrane and Transport ▪ Energy (ATP) 	
October	Unit 2: Digestion and Nutrition <ul style="list-style-type: none"> ▪ Digestive System ▪ Endocrine System ▪ Nutrition 	
	Unit 3: Transportation and Respiration <ul style="list-style-type: none"> ▪ Blood ▪ Circulatory System ▪ Respiratory System 	
November	Unit 4: Excretion and Waste Management <ul style="list-style-type: none"> ▪ Excretory Structures ▪ A Spotlight on the Liver ▪ Urinary System 	
	Unit 5: Protection and Control <ul style="list-style-type: none"> ▪ Inflammatory and Immune Response ▪ Lymphatic System ▪ Nervous System 	
December	Unit 6: Wellness and Homeostatic Changes <ul style="list-style-type: none"> ▪ Homeostasis ▪ Aging 	
January	Flex Time	



SUMMATIVE ASSESSMENT for BIOLOGY 30

Topic	Item	Weight of Item Within Topic	Overall Weight
Textbook Chapter Reviews	Unit 0: Ch 1, 6.1 Unit 1: Ch 6.2, 7, 8, 9 Unit 2: Ch 35, 6.3 Unit 3 & 4: Ch 37 Unit 5: Ch 34, 36, 39	20% 20% 20% 20% 20%	10%
Unit Test	Unit 0: What is Biology Unit 1: Wellness and Homeostasis Unit 2: Digestion and Nutrition Unit 3: Transportation and Respiration Unit 4: Excretion and Waste Management Unit 5: Protection and Control	15% 17% 17% 17% 17% 17%	35%
Unit Assignments	Unit 0: Personal Wellness Reflection Unit 1: Cell Transport Demo Unit 2 & 3: Life Size Poster Unit 4: Urinalysis Unit 5: Concussions Unit 6: Aging and Death	15% 20% 20% 15% 15% 15%	15%
Tic Tac Toe Choice Projects	Choice #1 Choice #2	50% 50%	10%
Final Exam	Mrs. Lockhart's final exam is in January. Exam covers all material covered in the course.	100%	30%

Behaviour Assessment

- Personal Management Skills - The student self-monitors own behaviors and personal growth, organizes for learning, contributes positively to the learning process and takes responsibility for work completion.
- Active Participation in Learning - The student participates actively in learning, is curious, sets learning goals, self-assesses, provides feedback, and uses feedback for improvement.
- Social Responsibility - The student demonstrates citizenship and social skills that contribute to making the classroom, school, and larger community a positive, safe and caring environment.