

Health Science 20 Syllabus*

Mr. Maxwell, 2023-2024, Semester 2



Regina Christian School

Email: jeff.maxwell@rbe.sk.ca

Website: www.mrmathwell.com

Textbook Requirements: *Healthcare Science Technology, CK12.org (digital: "RCS Health Science 20")*

Additional Resources: *Google Classroom, Khan Academy, Crash Course*

Google Classroom Code: **6zcyjda**

The Health Science 20 course is designed to familiarize the student with the anatomy and physiology of 11 different body systems: integumentary system, skeletal system, muscular system, nervous system, circulatory system, lymphatic system, respiratory system, digestive system, urinary system, endocrine system, and the reproductive system. Within each system the students will learn about how it normally functions, its common ailments and maladies, diagnostic tools used with each, and common careers related to the system. In addition to the class work I expect each student to do a science project of their choosing that demonstrates an understanding of the scientific process. Typically, this is due near the end of the term and is expected to take each student approximately 11 hours, mostly on your own. Students have a choice between completing a project for the end of the semester or preparing a Science Fair Project that can be submitted to the Regina Regional Science Fair in March. The semester begins with a History of Healthcare and basic anatomical terms and medical terminology overview. The following is an approximate timeline of delivery for Health Science 20:

Semester Plan for Health Science 20

Unit 1	History of Healthcare/Ethics	4 classes
Unit 2	Anatomical Terms and Medical Terminology	6 classes
Test 1 (Units 1-2)		Mar 1
Unit 3	Integumentary System	5 classes
Unit 4	Circulatory System	6 classes
Unit 5	Respiratory System	6 classes
Test 2 (Units 3-5)		Mar 22
Unit 6	Immune and Lymphatic Systems	6 classes
Unit 7	Muscular System	5 classes
Unit 8	Skeletal System	6 classes
Test 3 (Units 6-8)		Apr 23
Unit 9	Nervous System	6 classes
Unit 10	Digestive System	6 classes
Unit 11	Urinary System	6 classes
Test 4 (Units 9-11)		May 22
Unit 12	Endocrine System	5 classes
Unit 13	Reproductive System	5 classes
Test 5 (Units 12-13)		June 7
Final Project Completion / Final Exam Study		June 10-18
Projects Due		June 14

Grading:

Final Exam 20%

Course Work 80%

Assignments/CK12 Quizzes	5 Marks
Unit Quizzes (x13)	20 Marks
Labs/Case Studies	30 Marks
Tests (x5)	100 Marks
Major Project	100 Marks

Class Policies:

Cell Phones/Tablets/Etc:

Students are provided with a Chromebook for those times that they require something with an internet connection. **Students must use the chromebooks for directed educational purposes only – no games, no entertainment, and no working on other class asn'ts unless permission is granted when all Health Science work is done.** Students will not need a cell phone in class. If someone needs to speak with a student immediately the appropriate method would be to call the office and have the student paged. Students should leave their cell phone in their locker, but if they do bring it to class, upon entering the class students must put their cell phone away from them in their backpack or on the front or back tables during class. Apple watches may be worn but if I see a student viewing or responding to texts, messages, posts, etc from the watch it will be confiscated. If they feel that they have a legitimate reason to have their cell phone with them they will need to come talk with me to make arrangements. I do not permit students to receive phone calls from work during class time.

Music and Music players:

If a student would like to listen to school appropriate music during class they will need to get **permission** first. Since music is distracting it would only be permitted if it was a work time and not during class discussions, or lessons. *Use of chromebooks for music listening is NOT allowed.*

Assignments, and Late work:

We must have a culture of honour in the classroom. We respect all students' contributions. We put significant effort into all that we do. We choose to fully engage in our own learning, recognizing that it is we that are responsible for our learning.

Over the course of the semester you will be given quite a few textbook readings on CK12.org through Google Classroom that have a practice in the bottom right of the reading. Students will need to complete as many questions as it takes to get 10 correct. Students are able to use their notes and textbook for this. It has a scale that I use to enter formative marks into Edsby. Mastery = 5 / 5, Proficient = 4 / 5, etc, Developing = 3 / 5, Exploring = 2 / 5, Beginning = 1 / 5. So make sure you get to Mastery. There are approximately 60 of these assignments. Some CK12.org assignments will be entered as summative.

There will be random unannounced CK12.org checkpoint quizzes which will consist of questions from those CK12.org assignments, these will be entered as summative assignment marks and are a way to keep students on track and not falling behind on assignments.

There will be a few labs and activities. Students must come prepared for these as they cannot complete the lab if you are unprepared.

There is one Major Project that will have details released at a later date. This Major project is where students will research a specific topic in Health Science 20 of their choice, in depth. It is due near the end of the semester and should be worked on throughout. An alternative option is to create an experiment for the Regina Regional Science Fair in mid-march. Projects would need to be finished the data collection stage by the end of the semester.

Plagiarism

Plagiarism involves taking credit for someone else's work and is a form of theft. Students will receive marks of zero for assignments that have been plagiarized in whole or in part. They will also be subject to disciplinary action as determined by the Teacher and Administration.

Late Assignments/Extension Contracts (NEW)

Assignments are due by the beginning of class on their due dates. If you have an assignment that will not be submitted by the due date, you should submit an extension application (Google Form) at least 24 hours before the start of class on the due date. If your extension is not approved, or you do not submit an extension, your assignment will be marked as a zero. You will be required to complete these assignments, though the mark will remain a zero, unless extra credit as'n'ts are granted on course completion.

Course Completion:

Please note: All assignments provide opportunities for students to meet required course outcomes (according to SK curriculum): as a result, it is imperative that students do all assignments to demonstrate understanding and proficiency. To ensure that students are meeting all course outcomes, RCS has adopted the course completion policy. *This policy will be distributed from the main office and/or website to all high school students and parents.*

Class discussions:

Much of the Biological and Health ethics material that I teach can be viewed in many different ways by different individual viewpoints. As a result of trying to create a respectful and safe environment for all, **students are never permitted to verbally attack or accuse others of not being moral for a view that they hold.** Instead if a student is concerned about a viewpoint they can express what viewpoint it is that concerns them and why. The person holding that viewpoint will be allowed to express how they have reconciled that view with their faith if they have. It is my belief that this kind of **discourse will strengthen everyone's convictions and will also encourage students to intentionally reason through their faith and beliefs.**

Occasionally if I know that we will be talking about something potentially divisive I will try to give students a day or two warning so that they can think and reflect on the issue for a more mature conversation about it.

Missed Tests and Rewrites:

If a student misses a test due to illness they are expected to **write it the first day back at school.** It would be written at lunch time or after school during study hall; they will not miss additional class time to write the test. It is the student who must arrange this. If a make-up chance is missed a 0 will be received. Students may be allowed to write an alternate test on course completion day.

I do not allow rewrites for Tests or Quizzes. I also do not allow additional credit assignments. There are quite a few assessments so I don't believe that a single quiz or test will greatly affect an overall mark. As well, the ck12.org assignments are ones that can be done over and over until mastery is achieved prior to the due date, which should lead to success on quizzes and tests.

Earned Options:

Students who meet certain criteria based on good study habits, performance on tests and quizzes, submission of as'n'ts on time, good attendance, and preparedness for class MAY qualify for a Recommend (Final Exam does not need to be written). If students do not qualify for a recommend or want a chance to have their mark boosted further may qualify for Boost / Safety Net option (Final is written but allowances are made to boost their mark by omitting their lowest test mark, or at least to retain the mark that the student had before final exam was written). Details will be explained to students in class. An application will be required to apply for Recommend or Safety Net / Boost.

Website, Google Classroom, and CK-12.org:

Mr. Maxwell's website (www.mrmathwell.com) will be the primary online source of material for this class. Links and files will be posted there for students and parents to access.

This class does have a print textbook (used in units 1 and 2); however the course primarily uses digital resources for the remainder. All assignments, class notes, announcements, etcetera will be sent through website OR Google Classroom. Each student is to sign up by going to google.classroom.com and signing in using their @myrcs.org email account. Once there they will need to enter the class code given above. In addition to Google Classroom each student will utilize www.CK12.org, this is an open educational resource. What that means is that it is a free digital textbook and set of learning tools that are used to teach this course. Students aren't required to sign up at ck12.org because I will assign readings and assignments directly within Google Classroom.

Students, Parents, and Guardians please sign below that you have read and understood the expectations of

Mr. Maxwell's Health Science 20 2023-2024 Semester 2 Course
Syllabus. Return this slip by **Feb 9, 2024** for your first as'n't.

Student name printed _____ date _____

Student Signature _____

Parent/Guardian Signature _____ date _____

Guardian name printed _____

Guardian e-mail contact: _____