

Mr. Hazlewood

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Biology 30S – Course Outline

Credit Value: 1 Credit

Course Code: 0124

Prerequisites: None

Textbook: Dunlop, L. et al. Biology 11. McGraw-Hill. Whitby, ON. 2010.

Carter-Edwards, T. et al. Biology 12. McGraw-Hill. Whitby, ON. 2011.

***Textbooks will be shared between students, and for the most part are not to be removed from the classroom unless permission has been given.*

Tidbits of wisdom from the world of biology...

“A hen is only an egg’s way of making another egg”

- *Samuel Butler*

“The essence of life is statistical improbability on a colossal scale.”

- *Richard Dawkins*

“The species of whale known as the black right whale has four kilos of brains and 1,000 kilos of testicles. If it thinks at all, we know what it is thinking about.”

- *John Lien*

Course Description

Grade 11 Biology is a course designed to give students an extensive working knowledge of the inner workings of the human body, and the skills necessary to make healthy choices in life. The purpose of the course is to introduce students to a number of different processes that occur in the body, and show them how the choices they make can affect their overall health.

Topics covered in the course range from what goes into your body all the way to what comes out. Along the way the class will look at the lifestyle choices they are making, and how this will affect their overall health in the future. Students will also have the opportunity to learn about their personal and family medical histories, and learn how this information can affect other aspects of their lives. (Students who do not feel comfortable sharing or discussing medical or family information have the option to do other projects.)

This course does not rely heavily on a math component like the other areas of science, and as such we will do considerably more assignments, projects, research, and presentations. We will be doing a number of science journal summaries this year, as well as completing an inquiry project chosen by the student.

Course Timeline

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| Unit 1: Wellness & Homeostasis | Sept. 8 th – Sept. 25 th |
| Unit 2: Digestion & Nutrition | Sept. 25 th - Oct. 18 th |
| Unit 3: Transportation & Respiration | Oct. 18 th – Nov. 22 th |
| Unit 4: Excretion & Waste Management | Nov. 22 th – Dec. 13 th |
| *****Inquiry Project Completion***** | Dec. 16 th – Dec. 20 th |
| Unit 5: Protection & Control | Jan. 6 th – Jan. 17 th |
| Unit 6: Homeostatic Changes | Jan. 17 th – Jan. 29 th |
| *****Review for Final Exam***** | |

Assessment – Curriculum available at <https://www.edu.gov.mb.ca/k12/cur/index.html>

Course Work (70%) – Each unit will have one summative assessment that will be weighted based on the amount of time spent on that section. Larger sections that the class finds interesting will have larger assessments worth a greater percentage of the course mark. Each unit will also have multiple assignments & projects to complete, some of which will be used as formative assessments to help students recognize areas of strength and areas to continue to improve on, while others will be marked. Each student will also complete one inquiry project in this course, which will be marked according to a rubric.

Each student will also complete an inquiry project that will be marked using a class constructed rubric, which will be worth approximately 10% of this course mark.

Final Exam (30%) – The final exam is cumulative, and will focus on material covered on various unit assessments. There will also be questions regarding the journal summaries as well as the inquiry project.

Academic Dishonesty – any act of cheating, plagiarizing, or copying of work by a student will result in stiff penalties. The first offense will be a choice of zero on the assignment or a redo at my convenience, as well as a letter sent home to your parents. The second offense will be an automatic zero, with a referral to administration for any further discipline.

Late Assignments – There are no assignments in this course. Performance assessments and inquiry projects are due on or before the date set. Other than medical emergencies and prior arrangements, failure to do so will result in a grade of 0.

Missed Assessments & Rewrites – Any missed assessment will be given a grade of 0 unless valid reasons are given (eg. hospitalization). A student who misses an assessment will be required to complete it during the lunch hour (or spare) **on the day they return to school**. Assessments can be rewritten upon the request of the student, but will only be granted after that student has earned the opportunity. This requires attendance at lunch (or spare) for extra help and practice, as well as multiple formative assessments in order to demonstrate sufficient understanding.