

BIOLOGY 30S – COURSE OUTLINE

Description:

Biology 30S is a course designed to assist students in achieving greater understanding of the anatomy and physiology of the systems of the human body. Wellness is a major theme throughout the course and the students will be learning about various aspects of wellness, culminating with the development of personal wellness goals at the end of the course.

Course Topics:

The Course is divided into six (6) major units:

Unit #1: Wellness and Homeostasis • Cellular Biology Personal Wellness • Introduction to Homeostasis • Cellular Biology and Mitosis • Energy

Unit #2: Digestion and Nutrition • Structure and Function of the Digestive System • Chemical and Mechanical Digestion • Enzymes • Absorption of Nutrients • The Liver • Nutrition • Disorders of the Digestive System

Unit #3: Transportation and Respiration • Structure and Functions of the Circulatory Systems • Components of blood • Blood Groups • Blood Vessels • The Heart • Blood Pressure • Structure and Function of the respiratory System • Disorders of Transport and Respiratory Systems.

Unit #4: Excretion and Waste Management • General Overview of System • The Urinary System • Urinalysis • Wellness and diseases of the Excretory System

Unit #5: Protection and Control • The Nervous System • The Endocrine System • The Immune Systems • Wellness and Diseases of the Nervous and Immune Systems

Unit #6: Wellness and Homeostatic Change • Body Systems Interrelationships • Aging • Death

Evaluation:

Creating the Grade:

- Grades will be based only on the demonstration of an individual student's knowledge and skills of the outcomes for each course:
 - Only items marked by the teacher will determine a student's grade
 - Grades are based on individual student achievement, not group achievement
- When determining a grade, the teacher will decide whether there is sufficient evidence of achievement. If not, the mark can be reported as an "IN" (incomplete). Teachers will determine with students and parents/guardians a plan for completion of work.

Establish, communicate, and apply consequences for late and missing work:

Students must understand that there will be consequences for not completing assignments that provide evidence of learning or for submitting those assignments late. If, after establishing and clearly communicating expectations regarding assignments, setting and communicating timelines for assignments, and supporting student learning using the strategies provided above, student work is still late or missing; teachers will apply the following strategies:

- confer with the student and, where appropriate, with the student's parent/guardians about the reasons for not completing the assignment, and consider the legitimacy of reasons;
- develop an agreement with the student to complete the work;
- require the student to complete missing work during lunch by attending the Assessment Completion Centre (ACC).

If, after completing the steps above, the student does not hand in the assessment by the agreed upon deadline, a zero may be used as a mark as the student has not demonstrated any knowledge or skill of the outcome.

The consequence for not completing work is to complete the work. Late marks will not be subtracted from an assignment as it is purely punitive and doesn't measure learning. The assignment will either be completed or given a zero.

The full policy is available on the SCI website under "Student Handbook".

FINAL EVALUATION:

Tests / Evaluations	Projects / Lab Reports / Portfolio work	Oral work / *Oral evaluations	Final Exam / Final Evaluation
45%	20%	20%	25%

Aboriginal perspectives: Interlake School Division is dedicated to an inclusive education, including perspectives from an aboriginal point of view. This may involve instruction, the use of resources (primary and secondary), formative assessment and models of collaboration.

Late assignments and consequences:

Students must understand that there will be consequences for not completing assignments that provide evidence of learning or for submitting those assignments late. If, after establishing and clearly communicating expectations regarding assignments, setting and communicating timelines for assignments, and supporting student learning using various strategies, student work is still late or missing, teachers will apply the following:

* confer with students and, where applicable, with the student's parents/guardians about the reasons for not completing the assignment, and consider the legitimacy of reasons;

* develop and agreement with the student to complete the work by a specific date, which may require the student to attend one or more lunch-hour sessions in the ACC (Assessment Completion Centre).

If, after completing the steps above, the student does not hand in the assessment by the agreed-upon deadline, a mark of zero (0) may be used as a mark as the student has not demonstrated any knowledge or skill of the outcome.

The consequence for not completing work is to complete the work. Late marks will not be subtracted from an assignment as it is purely punitive and doesn't measure learning. The assignment will either be completed or given a zero (0).

Cheating and academic dishonesty:

Both cheating and academic dishonesty can be defined as "presenting work under your name that was not researched or written by you". In short, it is when a student tries to pass off someone else's work as his/her own.

First infraction: Student will be given a mark of zero (0) and instructed to re-do the assignment; if the assignment is not redone, please refer to the section on late assignments above. Parents and school administration will be informed.

Second infraction: Student will be given a mark of zero (0) and will not be presented with the opportunity to redo that particular assignment. Parents and school administration will be informed.

Third infraction: Student will be given a mark of zero (0), will not be presented with the opportunity to redo the assignment and will be referred to the administration of the school / division for appropriate consequences.