

Science 10 Course Outline

General Learning Outcomes

This course will provide each student with opportunities to:

- a) develop the skills and processes of science
- b) increase his or her scientific knowledge
- c) develop creative, critical, and abstract thinking skills
- d) develop problem-solving abilities

Course Content

During this course the following units and chapters will be covered. Please refer to pages iv to ix in your copy of "BC SCIENCE 10" for the corresponding page numbers. Note that the order in which topics are presented may not be as listed below.

Unit 1 Sustaining Earth's Ecosystems

Chapter 1 – Biomes, Ecosystems & the Biosphere

Chapter 2 – Energy Flow and Nutrient Cycles

Chapter 3 – Changes in Ecosystems

Unit 2 Chemical Reactions & Radioactivity

Chapter 4 – Atomic Theory, Chemical Compounds & Equations

Chapter 5 – Classification of Chemical Compounds

Chapter 6 – Classification & Rates of Chemical Reactions

Chapter 7 – Radioactivity & Nuclear Reactions

Unit 3 Motion

Chapter 8 – Velocity

Chapter 9 – Acceleration

Unit 4 Energy Transfer in Natural Systems

Chapter 10 – The Kinetic Molecular Theory & Energy Transfer

Chapter 11 – Climate Change

Chapter 12 – Plate Tectonics

Course Evaluation

There are two reporting periods during this course each of which is assigned a value of 40% for determination of the final grade. There is also a final provincial exam, worth 20%, which is written at the conclusion of the course. Term marks are based on the following criteria:

1. Tests.....50%

- tests missed for other than legitimate reasons are scored as zero

2. Assignments/Lab. Activities/Quizzes/Application.....50%

- students are responsible for all missed labs. & assignments and may be asked to complete such activities outside of class time.

Expectations & Responsibilities

Students are expected to arrive to class on time with all of the necessary learning materials, and with a positive attitude. If absent from class it is the student's responsibility to determine what activities/labs/assignments were missed, and to make the necessary arrangements with the teacher to ensure that all work is completed.

Date: _____

Student signature: _____

Parent signature: _____