

MATERIAL COVERED:

The Science 8 course is divided into four main sections.

- Life Science - Cells and Systems
- Physical Science - Optics
- Physical Science - Fluids & Dynamics
- Earth and Space Science - Water Systems on Earth

TEXTBOOK:

The course uses the following resources:

<i>BC Science 8</i>	(ISBN 0-07-097299-0, McGraw-Hill Ryerson)
<i>BC Science 8 Student Workbook</i>	(ISBN 0-07-097296-6, McGraw-Hill Ryerson)
http://www.science.com/bc8/	

COURSE DESIGN:

The course units have been organized by chapters of the textbook so that the content covered in each “unit” test will be one chapter of the book, including the corresponding chapter in the student workbook. This should make it easier for the grade 8 student to master the content before being tested. The cumulative tests, however, will include **all** the material covered in the Units of the textbook (textbook units are three chapters) and the student workbook information.

EVALUATION:

This course works on a mastery system. You must pass the mastery tests in each unit to the 80% level before you can go on. In addition, there are cumulative tests from time to time. **These can only be taken once, so it is essential to study hard and do your best work on them.** Your school mark for this course is based 60% on the average of the mastery tests and 40% on the average of the cumulative tests.

GOAL

The goal of this unit is to learn about Cells as the Basic Unit of Life.

OBJECTIVES

While completing this unit you will:

- demonstrate understanding of the characteristics of living and non-living things
- demonstrate understanding of the nature of cells

WHAT TO DO IN THIS UNIT

- This unit uses the textbook *BC Science 8* and the *Student Workbook*, **Chapter 1**.
- Ask your teacher for the Unit 1 Worksheets.
- In the textbook, read **all** of Chapter 1, then once you are done, answer the questions in the Unit 1 Worksheet and in your student workbook.
- To check your understanding of this unit, you may complete the Chapter Review on page 50.
- When you are ready, ask your teacher for the Unit 1 Test. Remember, you must get 80% to pass, so studying hard is essential.

GOAL

The goal of this unit is to understand how body systems work independently and together.

OBJECTIVES

While completing this unit you will:

- explain the relationship between cells, tissues, organs, and organ systems
- describe the basic factors that affect the functions and efficiency of the human respiratory, circulatory, digestive, and excretory systems

WHAT TO DO IN THIS UNIT

- This unit uses the textbook *BC Science 8* and the *Student Workbook*, **Chapter 2**
- Ask your teacher for the Unit 2 Worksheets.
- In the textbook, read **all** of Chapter 2, then once you are done, answer the questions in the Unit 2 Worksheet and in your student workbook.
- To check your understanding of this unit, you may complete the Chapter Review on page 96.
- When you are ready, ask your teacher for the Unit 2 Test. Remember, you must get 80% to pass, so studying hard is essential.