



Learning Outcomes:

Processes of Science

It is expected that students will:

- demonstrate safe procedures
- perform experiments using the scientific method
- represent and interpret information in graphic form
- demonstrate scientific literacy
- demonstrate ethical, responsible, cooperative behaviour
- describe the relationship between scientific principles and technology
- demonstrate competence in the use of technologies specific to investigative procedures and research

Life Science: Reproduction

It is expected that students will:

- explain the process of cell division
- relate the processes of cell division and emerging reproductive technologies to embryonic development
- compare sexual and asexual reproduction in terms of advantages and disadvantages

Physical Science: Atoms, Elements, and Compounds

It is expected that students will:

- use modern atomic theory to describe the structure and components of atoms and molecules
- use the periodic table to compare the characteristics and atomic structure of elements
- write and interpret chemical symbols of elements and formulae of ionic compounds
- describe changes in the properties of matter

Physical Science: Characteristics of Electricity

- explain the production, transfer, and interaction of static electrical charges in various materials
- explain how electric current results from separation of charge and the movement of electrons
- compare series and parallel circuits involving varying resistances, voltages, and currents
- relate electrical energy to power consumption

Earth and Space Science: Space Exploration

It is expected that students will:

- explain how a variety of technologies have advanced understanding of the universe and solar system
- describe the major components and characteristics of the universe and solar system
- describe traditional perspectives of a range of Aboriginal peoples in BC on the relationship between the Earth and celestial bodies
- explain astronomical phenomena with reference to the Earth/moon system
- analyse the implications of space travel

TEXTBOOK:

BC Science 9.

Online version: <http://www.mcgrawhill.ca/bc-science>

Username: HA44

Password: SC44

MARK BREAKDOWN:

Class Assignments: 30%

Class Quizzes and Tests: 50%

Final Exam: 20%

TUTORIALS: Any day at lunch or after school