



CENTENNIAL REGIONAL HIGH SCHOOL

COURSE OUTLINE 2020-2021

Subject: Physics

Level: Secondary 4 TAG - Secondary 5

Prerequisite: Eight Science credits at the cycle 2, year 2 level

Course Description and Objectives:

This course is designed to prepare students for entrance into Pure and Applied Science, Health Science, or a technology program at the CEGEP level.

Module 1: The Nature of Light

To investigate, by means of the scientific method, the phenomenon of light in the environment in order to discover its main properties and to understand how optical devices work.

Module 2: Optical Devices

To help students broaden their scientific knowledge through construction of an optical device, enabling them to apply theory and to explore different technologies.

Module 3: Mechanics

To investigate the motion of objects in the environment, to discover the causes of motion, and to understand the mechanical phenomena associated with this motion.

Evaluation:

The program focuses on the development of two interrelated competencies associated with various complementary aspects of science and technology.

The two competencies to be further developed in secondary cycle two, year three are as follows:

- Seeks answers or solutions to scientific or technological problems
- Makes the most of his/her knowledge of science and technology

Safety glasses or goggles are required for laboratory work. (School will provide 1 set per laboratory)