



Physics 12

Instructors – Until the end of November: Jennifer Fan (jfan@sd40.bc.ca)
Starting December: Heather Avison (havison@sd40.bc.ca)

Course Description

Physics 12 online follows the Resource Package for Physics 12 for British Columbia Secondary students.

Prerequisites

Recent completion of Physics 11 or equivalent. Reading comprehension at grade 11 level or better.

Units

1. Vectors and Static Equilibrium
2. Kinematics
3. Momentum and Energy
4. Circular Motion and Gravitation
5. Electrostatics
6. Electric Circuits
7. Magnetic Forces
8. Electromagnetic Induction

Tests, Texts, and Resources

There are six tests in Physics 11. The first test can be written at home on your computer. The other five tests must be written in the ALC lab on a computer. Your final mark is based on a *weighted average* of all six tests. A passing mark is 50%; however, you should consider 70% as the minimum mark for mastery. Most post-secondary institutions require at least 65% for entry into programs.

The course requires the use of a purchased WorkText, which acts as a textbook, workbook, notebook, and study guide. The WorkText is the basis for the course and your purchase gives you access to essential online videos, quizzes and course notes. In addition, the online course provides links to additional videos and simulations to enhance and deepen your understanding of the course material.

You don't have to schedule a time for tests. Ask any instructor and they will set you up. You may use a scientific (non-programmable) calculator and an equation sheet available within the course website. You are allowed 120 minutes to write each test. Rewrites are not available.

The required text, ***BC Science Physics 12*** published by Edvantage Interactive, is available for purchase at the learning centre for \$25.