



SPH 3U
PHYSICS
Grade 11 University
2016-17

General Course Information

Prerequisite(s):	Science, Grade 10 Academic, SNC2D
Teacher:	_____ (Science office, 416-395-3290 ext 20095)
Department:	Science
Assistant Curriculum Leader:	S. Evans, K. Fischer
Extra Help:	Available upon request
Textbook and Replacement Cost:	Physics 11(Nelson), \$100
Material Required:	Textbook

Course Description

This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification and forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

Further information about this course can be found at

<http://www.edu.gov.on.ca/eng/curriculum/secondary/science1112curr.pdf>

Course Information

Strands of Study (Units)	Approximate Number of Lessons
Waves and Sound	13
Kinematics	20
Forces	20
Energy and Society	10
Electricity and Magnetism	18

Teaching Strategies

You will have opportunities to learn and be assessed (formative assessment) before evaluations. List of evaluation strategies which may be used (but are not limited to) are: quizzes, tests, problem-sets, laboratory activities, hands-on activities, independent study, problem-based learning, role-plays, and simulations.

Assessment and Evaluation:

To promote student success, ongoing assessment and feedback is given regularly to the students. A variety of assessment and evaluation strategies are used in this course. Expectations are evaluated based on the provincial curriculum expectations and the strands and/or categories outlined in the ministry document.

Evaluation of the achievement of the overall curriculum expectations is based on the achievement chart for science. The achievement chart for science can be found at www.edu.gov.on.ca. Guidelines are consistent throughout the province. Marks are weighted according to the achievement chart categories (Knowledge/Understanding, Thinking/Inquiry, Application and Communication)



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Each student's term mark will be in the form of a percentage grade based on their achievement in the following categories:

Knowledge/Understanding	30%
Application	25%
Thinking/Inquiry	25%
Communication	20%

The breakdown of the final mark is as follows:

Term Evaluation	70%
Final Evaluation	25%
Culminating Project	5%

The final will be completed during the exam period.

In addition to students' performance in the achievement categories, students will also be assessed on their performance in the following learning skills:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

For specific policies on assessment and evaluation, and academic honesty, please refer to School Procedures in the student agenda.