

Welcome to Physics 11!

In this course you will be spending most of your time in a program called Content Connections. Content Connections contains lessons you will watch (no textbook is required for this course), and following the lessons, there are practice questions for you to complete. After you finish a unit, you will complete a Unit Assignment that you will then submit for marking. After you receive your marked assignment and have a chance to go over it, especially questions that you had trouble with, you will write a Unit Test. These tests are available online through the Canvas course website, but must be written in a supervised setting.

Supervised settings include:

- our main school site at 4355 Jingle Pot Road in Nanaimo,
- in the Island Connect Ed Support Rooms at any of the following NLPS Secondary Schools: Dover Bay, Wellington, NDSS, or John Barsby
- for students doing this course at Ladysmith Secondary, Cedar Secondary, or outside of the Nanaimo Ladysmith Public Schools area, arrangements can be made to write tests under the supervision of a teacher in your area.

General Timeline

Island Connect Ed is not semester based. Students may start this course at any time, and can proceed through the course at their own pace. More specifically, there is a general expectation that the first Unit Assignment is submitted within three weeks of registering for the course and that the course will be completed within one year from the registration date. Exceptions to the general expectations will be considered on an individual basis.

It will help you to set goals and make a plan to successfully complete this course within a reasonable amount of time. Moving through the course too quickly or too slowly will both affect how successful you will be. Make a realistic work schedule for yourself and stick to it!

Assessment

- Unit Quizzes: 10%
- Unit Labs: 20%
- Unit Assignments: 40%
- Module Tests: 30%

About this Course

This course is organized into 11 sections or units:

1. Graphing and Math Skills
2. Kinematics (the study of motion)
3. Projectile Motion
4. Forces and Newton's Laws
5. Applied Forces
6. Dynamics on Inclined Surfaces and Connected Masses
7. Work and Energy
8. Power
9. Heat (thermal energy)
10. Waves
11. Electric Circuits

The content, while important, is meant to be a means to help students explore the Big Ideas of this course:



For a more detailed look at the Learning Standards for this course, visit the following Ministry of Education website: <https://curriculum.gov.bc.ca/curriculum/science/11/physics>

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