

COURSE: Physics 11 (Ph11)

INSTRUCTOR

Chris Brandle

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Science 10

CREDITS

4

OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [Physics 11](#)

Big Ideas

An object's [motion](#) can be predicted, analyzed, and described.

[Forces](#) influence the motion of an object.

[Energy](#) is found in different forms, is conserved, and has the ability to do work.

Mechanical [waves](#) transfer energy but not matter.

Welcome to Physics 11! I look forward to working with you to complete this online course. Physics 11 is a course to introduce students to rules that govern the world around them. This includes the basic laws of motion, understanding of forces such as friction and gravity, and concepts such as momentum, energy, power, and efficiency. The motion of waves and how this applies to light and sound as well as electricity and electric circuits are introduced.

Course Layout:

- Unit 1: Math Tools
- Unit 2: Motion
- Unit 3: Projectiles
- Unit 4: Forces
- Mid-term Exam
- Unit 5: 2D Forces
- Unit 6: Energy
- Unit 7: Electricity
- Unit 8: Waves
- Final Exam

ASSESSMENT

Students will have the opportunity to demonstrate their learning through a variety of means such as tests, quizzes, and written assignments.

REGISTRATION

Please note – vLearn is a District Online School and can only serve students in the SD22 Catchment Area. Grade 8/9 students need approval from their home school administrator to take courses with vLearn. Please use your SD22 email address to register (000000@sd22.bc.ca)



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