

COURSE: Physics 12 (PH12)

INSTRUCTOR

Chris Brandle

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RECOMMENDED PRE-REQUISITES

Physics 11

CREDITS

4

OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [Physics 12](#)

Big Ideas

[Measurement of motion](#) depends on our frame of reference.

Forces can cause [linear and circular motion](#).

Forces and energy interactions occur within [fields](#).

[Momentum](#) is conserved within a closed and isolated system.

Science and scientific literacy play a key role in educating citizens of today for the world of tomorrow. Critical to succeeding in this endeavor are the core competencies that provide students with the ability to think critically, solve problems, and make ethical decisions; to communicate their questions, express opinions, and challenge ideas in a scientifically literate way; and to exercise an awareness of their role as ecologically literate citizens, engaged and competent in meeting the responsibilities of caring for living things and the planet.

Topics Covered:

Physics Review Equilibrium & Torque Centripetal Momentum	Electricity Electro-Magnetism Induction Modern Physics
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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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