

COURSE: Foundations of Mathematics and Pre-Calculus 10 (FMPH10)

INSTRUCTOR

Chris Brandle

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RECOMMENDED PRE-REQUISITES

High level of proficiency in Math 9 recommended.

CREDITS

4

OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [FMP10](#)

Big Ideas

Algebra allows us to [generalize](#) relationships through abstract thinking.

The meanings of, and [connections](#) between, each operation extend to powers and polynomials.

Constant rate of change is an essential attribute of linear [relations](#) and has meaning in different representations and contexts.

Trigonometry involves using [proportional reasoning](#) to solve [indirect measurement](#) problems.

Representing and analyzing [situations](#) allows us to notice and wonder about relationships.

The mathematics curriculum is designed to build on students' mathematics knowledge and enables them to apply this knowledge to a broad range of situations encountered in everyday life. This is facilitated by condensing the learning standards, focusing on flexible teaching and learning within relevant situational contexts, and continuing to develop a strong foundation of mathematical understandings and skills, as just one part of an interdisciplinary set of problem-solving, exploratory, and investigative skills and knowledge.

Topics Covered:

Exponents Relations & Functions Linear Relations Linear Systems	Polynomials Factoring Trigonometry Financial Literacy
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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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