

COURSE: Pre-Calculus 12 (PREC12)

INSTRUCTOR

Chris Brandle

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RECOMMENDED PRE-REQUISITES

Pre-Calculus 11

CREDITS

4

OVERVIEW

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

Big Ideas

Using [inverses](#) is the foundation of solving equations and can be extended to relationships between functions.

Understanding the characteristics of families of [functions](#) allows us to model and understand relationships and to build connections between classes of functions.

[Transformations](#) of shapes extend to functions and relations in all of their representations.

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:

Transformations Graphing Rationals Polynomials Exponents & Logarithms	Circular Functions Trigonometric Equations Conics Sequences & Series
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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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