

Pre-Calculus 11



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Introduction

Pre-Calculus 11 is the most academic grade 11 math class. It focusses on mathematical theory and concepts using algebra and graphing. Completing PREC11 satisfies the grade 11 or 12 math class requirement for graduation. PREC11 is the appropriate class for students planning to study something like math, science, engineering, or computer science at a university. Check the specific requirements of your desired program. You might also just be here because you like math, in which case – welcome!

In this online class, students watch video lessons and do practice questions through a service called Content Connections, which acts like an online textbook and homework resource. As they work through the lessons, students will complete short (mostly multiple choice) quizzes. Each unit finishes with an assignment and a test.

Topics

- Unit 1 Powers and Radicals
- Unit 2 Factoring Polynomials
- Unit 3 Rational Expressions
- Unit 4 Quadratic Functions
- Unit 5 Quadratic Equations
- Unit 6 Inequalities
- Unit 7 Trigonometry
- Unit 8 Financial Literacy

Unit Contents

Each unit contains:

- Video lessons
- Online practice questions
- Quizzes
- A Review Assignment
- A Test

Grades

Quizzes	10%
Assignments	45%
Tests	45%

Curriculum Big Ideas

- Algebra allows us to generalize relationships through abstract thinking.
- The meanings of, and connections between, operations extend to powers, radicals, and polynomials.
- Quadratic relationships are prevalent in the world around us.
- Trigonometry involves using proportional reasoning to solve indirect measurement problems.

Resources

Online Classes:	https://nlps.instructure.com
Jupiter Grades:	https://jupitergrades.com
School Website:	https://island-connected.sd68.bc.ca
BC Curriculum:	Pre-Calculus 11

Attendance

Please be aware that Island Connect K-12 does not have a general attendance requirement. However, it is in your best interests to make a habit of checking in with your teacher – either face to face, by email, phone or through video conference. Past learners have stated that such contact promotes engagement with the course materials and serves to motivate them to complete the work in a timely fashion.

Completion Timeline Expectations

You should plan to complete this class within 4 months of signing up – the duration of a normal high school semester. However, online classes are self-paced. It is up to you if you would like to complete the class more quickly or need more time. Either way, it is recommended that you make yourself a schedule and stick to it so that you can meet your personal goal for completing your online class.

Some online classes have a hard deadline at the end of the school year (end of June), depending on when you activated. Check with your teacher if you are concerned about class deadlines.

If you require a final grade for post-secondary applications, scholarships, etc. it is up to you to meet that deadline and allow time for your teacher to mark your work and send in a final grade.