

Foundations of Math 11



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Introduction

Foundations of Math 11 is a good class to take if you are planning to attend a university, but not in a field directly related to math. Foundations 11 focuses more on applications of math, whereas Pre-Calculus 11 focusses more on math concepts and theory. Completing FOM11 satisfies the grade 11 or 12 math class requirement for graduation. If you plan on studying something like math, science, engineering, or computer science at a university you should take Pre-Calculus 11 instead. Check the specific requirements of your desired program.

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 Inductive and Deductive Reasoning
- Unit 2 Properties of Angles and Triangles
- Unit 3 Non-Right Angled Trigonometry
- Unit 4 Systems of Linear Inequalities
- Unit 5 Graphing Quadratic Functions
- Unit 6 Scale Models
- Unit 7 Application of Probabilities and Statistics
- Unit 8 Graphical Solutions of Systems of Equations
- Unit 9 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

- Similar shapes and objects have proportional relationships that can be described, measured, and compared.
- Optimization informs the decision-making process in situations involving extreme values.
- Logical reasoning helps us discover and describe mathematical truths.
- Statistical analysis allows us to notice, wonder about, and answer questions about variation.

Resources

- Online Classes: <https://nlps.instructure.com>
- Jupiter Grades: <https://jupitergrades.com>
- School Website: <https://island-connected.sd68.bc.ca>
- BC Curriculum: [Foundations of Math 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.