**Ardrossan Math 20-1**

**Course Outline**

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| **Textbook:** | *Pre-Calculus 11* |

Mathematics 20-1 builds on key concepts from Mathematics 10C. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

Students who believe they can learn, take risks and persevere in problem solving will be successful mathematics students.

 Topic Approximate Days

1. Introduction to Math 20-1 3 Days
2. Chapter 1 Series and Sequences: 8 Days
3. Chapter 3 Quadratic Functions 7 Days
4. Chapter 4 Quadratic Equations 7 Days
5. Chapter 2 Trigonometry 8 Days
6. Chapter 5 Radical Equations and Expressions 6 Days
7. Chapter 6 Rational Expressions and Equations 9 Days
8. Chapter 7 Absolute Value and Reciprocal Functions 7 Days
9. Chapter 8 Systems of Equations 5 Days
10. Chapter 9 Linear and Quadratic Inequalities 5 Days
11. Review of Course and in class final 3 Days
12. Exam

###### EVALUATION

Your school mark is determined on your achievement in the above areas.

**Math Help:**

It is the goal of every teacher to help students succeed in math. There are a variety of support options available to students including noon hour math assistance, and individual tutors for hire. Interested students should discuss their needs with their teacher.

**Required Materials:**

All students are required to have an Alberta Education approved graphing calculator. Students should come to class with plenty of paper and pencils.