**Pre-Calculus 12 Spring 2020**

**Teacher: Mr. Schroeder**

**Resource: McGraw-Hill Ryerson Mathematics 12 Textbook & Theory and Problems for Grade 12 Math**

Course Content Overview: Grade 11 Review – January 20-22

***Dates are subject to change***

*Chapter 6 Trigonometry Part I*

*January 23-February 5*

6.1 Angles and Their Measure

6.2 Trigonometric Functions of Acute Angles

6.3 Trigonometric Functions – General and Special Angles

6.4 Graphing Basic Trigonometric Functions

6.5 Applications of Periodic Functions

**Summative Assessment: February 6**

*Chapter 7 Trigonometry Part II*

February 7-19

7.1 Trigonometric Identities and Equations

7.2 Verifying Trigonometric Identities

7.3 Trigonometric Equations

7.4 Sum and Difference Identities

7.5 Double Angle Identities

**Summative Assessment: February 20**

*Chapter 5 Logarithms*

February 24-March 11

5.1 Exponents

5.2 Logarithmic Functions and Their Graphs

5.3 Properties of Logarithms

5.4 Exponential and Logarithmic Equations

5.5 Applications of Exponential and Logarithmic Equations

**Summative Assessment: March 12**

*Chapter 2 Transformations*

March 30 – April 16

2.1 Functions and Relations

2.2 Arithmetic Combinations of Functions

2.3 Composite Functions

2.4 Transformations of Graphs

2.5 Inverse Functions

2.6 Combined Transformations

**Summative Assessment: April 17**

*Chapter 3 Polynomials*

April 20-30

3.1 Polynomials

3.2 Graphing Polynomial Functions

3.3 Division of Polynomials

3.4 The Remainder and Factor Theorem

3.5 Polynomial Applications

**Summative Assessment: May 1**

*Chapter 4 Radicals and Rational Functions*

May 4 - 13

4.1 Radicals

4.2 Graphing and Solving Radical Equations

4.3 Rational Functions

4.4 Graphing Rational Functions

**Summative Assessment: May 14**

*Chapter 1 Sequence and Series*

May 15-June 1

1.1 Arithmetic Sequences

1.2 Arithmetic Series

1.3 Geometric Sequences

1.4 Geometric Series

1.5 Infinite Geometric Series

**Summative Assessment: June 2**

Final Exam Review June 3-8 Final Exams June 9-11