



Course Outline
Polynomials and Applications
2010-2011



Teachers:

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Math Makes Sense 9 Online Text: <http://www.mathmakessense.ca/>

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Polynomials:

(Feb. 1st - Feb. 21st)

Modeling Polynomials

Like Terms & Unlike Terms

Adding Polynomials

Subtracting Polynomials

Multiplying and Dividing a Polynomial by a Constant

Multiplying and Dividing a Polynomial by a Monomial

Linear Equations and Inequalities:

(Feb. 22nd - Mar. 18th)

Solving Equations with Inverse Operations - Variables on one side

Solving Equations by Using Balance Strategies

Intro to Linear Inequalities - ($<$, $>$, \leq , and \geq) Graphing/Finding Solutions

Solving Linear Inequalities by Using Addition and Subtraction

Solving Linear Inequalities by Using Multiplication and Division - One-Step or Multi-Step

Similarity and Transformations

(Mar. 21st - April. 15th)

Congruent/line of symmetry

Scale Diagrams and Enlargements

Scale Diagrams & Reductions

Subtracting Rational Numbers

Similar Polygons

Similar Triangles

Reflections & Line Symmetry

Reflection

Rotations & Rotational Symmetry

Identifying Types of Symmetry on the Cartesian Plane

Circle Geometry

(Apr. 18th-May.6th)

Properties of Tangents to a circle

Properties of Chords in a Circle

Verifying the Tangent and Chord Properties (page 400-401)

Properties of Angles in a Circle

Probability and Statistics

(May.9-27th)

Probability in Society

Potential Problems with Collecting Data

Using Samples and Populations to Collect Data

Selecting a Sample

Designing a Project Plan



Marking Scheme:

Homework	10%
Quizzes / Assignments	20%
Tests	40%
Exam	30%

Expectation is to follow the school rules, come to class prepare to do work. Everything that is done on the board is a part of your notes and must be written down. **You are expected to bring your notebooks, textbooks, pencils and calculators every day.** Stay positive, work hard and respect yourself and others.

Extra help is available second half of lunch (12:05 - 12:35) upon request.

*****PHONES & I-PODS CANNOT BE USED AS CALCULATORS in school*****

Let's make this year a fun and successful MATHEMATICAL year.