

Course Outline Polynomials and Applications 2010-2011



Teachers:

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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 - $(\langle, \rangle, \underline{\langle}, \text{ and } \underline{\rangle})$ 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

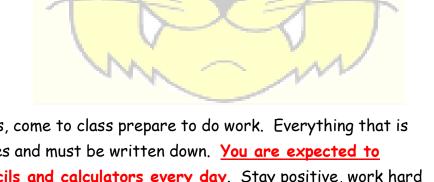
Using Samples and Populations to Collect Data

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.