

Rainshadow CCHS – Fall 2010 MIII: Intermediate Algebra

This course explores Math as a means of interdisciplinary inquiry with an emphasis on the role of math in understanding its role in the real world.

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Course Description: This course explores intermediate Algebra as a tool for interdisciplinary inquiry. Key concepts include quadratics, functions, algebraic problem solving, and math reasoning. It invites students to find connections between algebraic concepts and real world. This course delivers Rainshadow/Common Core standards in mathematics and prepares students for the proficiency examination.

Course Aims and Objectives for this course:

Upon completion of this course:

- ~Students will become proficient in the real world relationships of algebraic equations and their operations as well as patterns, sequences and functions.
- ~Students will expand their understanding of the application of systems of equations and their relationship to everyday mathematical situations.
- ~Students will explore algebraic concepts and formula as they apply to functions and problem solving.
- ~Students will apply mathematics to interdisciplinary issues and problems by examining statistics and data.
- ~Students will relate advanced mathematical concepts to their everyday lives and to social and political issues in their neighborhood, city, region, or nation.
- ~Students will explore math as a means of communication through graphs, spreadsheets, charts, and statistics.

Requirements:

- participation in classroom activities every day.
- complete warm ups each class period
- completed notebook and worksheet assignment
- completed notes and examples.
- completed Weebly and class essays

<u>Week / Dates</u>	<u>Tuesday</u>	<u>Thursday</u>
1) 8/3, 9/2	Course Introduction	Pre-assessment
2) 9/, 9/9	Equations Review	Equations Review
3) 9/14, 9/16	Inequalities Review	Inequalities Review
4) 9/21, 9/23	Exponents & Radicals	Exponents & Radicals
5) 9/28, 9/30	Weebly	Prof. Development: No School
6) 10/5, 10/7	TBA	TBA
7) 10/12, 10/14	TBA	TBA
8) 10/19, 10/21	TBA	TBA
9) 10/26, 10/28	TBA	TBA
10) 11/2, 11/4	TBA	TBA
11) 11/9, 11/11	Weebly	Veteran's Day: No School
12) 11/16, 11/18	TBA	TBA
13) 11/23, 11/25	TBA	Thanksgiving Day: No School
14) 11/30, 12/2	TBA	TBA
15) 12/7, 12/9	TBA	TBA
16) 12/14, 12/16	TBA	TBA
17) 1/4, 1/6	TBA	TBA
18) 1/11, 1/13	TBA	TBA
19) 1/18, 1/20	Semester Weebly Portfolio Completion	Semester Weebly Portfolio Completion

NOTE: The plan will be worked to meet the needs of the students. The am and pm sections will be given a pre-assessment the first week. The semester plan will be then be organized to meet the needs of the students as well as RCCHS curriculum and Common Core Standards.

Grading Policy and Assessment: This class will be based on a point system spread out over the semester (19 weeks).

Point Breakdown:

Attendance and Participation – approximately 500 points

Complete Folder of Work – approximately 30 to 100 pts each; 1000 pts

- includes classwork, Notes, worksheets

Warm-ups: 20 pts each; total of approximately 700+ pts for the semester

Folder, Notebook and Weebly Contents: You will maintain a folder & notebook to be kept in-class with all of the assignments for this class. There is a specified manner in which notes and warm-ups are to be taken and kept please see warm-up 1 for a reference. You will also be required to create and keep a Weebly portfolio for this class (and all classes).