

Century Middle School
Course Syllabus
2009-10

Course Title: Math 8	Instructor Name: Ms. Debbie Boyle
	Debbie.W.Boyle@adams12.org
	http://century.adams12.org/Boyle.htm
	720-972-3285
	Ms. Boyle is available for extra help before and after school every day in room F205 by appointment.
Course Description: Connect Math 2 – Grade 8	

Essential Learning Standards/Content Covered First Trimester:	Approximate Dates/Timeline
Three Dimensional Measurement: spatial visualization; volume and surface area of various solids; volume and surface area relationship	Filling and Wrapping (5 weeks)
Linear Relationships: recognize and represent linear relationships in tables, graphs, words, and symbols; solve linear equations; slope and y-intercept	Moving Straight Ahead (5 weeks)
Data and Statistics: use samples to reason about populations and make predictions; compare samples and sample distributions; relationships among attributes in data sets	Samples & Populations (5 weeks)
Essential Learning Standards/Content Covered Second Trimester:	Approximate Dates/Timeline
Linear and Inverse Variation: introduction to functions and modeling; finding the equation of a line; inverse functions; inequalities	Thinking with Mathematical Models (4 weeks)
The Pythagorean Theorem: square roots; connections among coordinates, slope, distance and area; distances in the plane	Looking for Pythagoras (4 weeks)
Expected Value: probabilities of two-stage outcomes	What Do You Expect? (3 weeks)
Essential Learning Standards/Content Covered Third Trimester:	Approximate Dates/Timeline
Exponential Relationships: recognize and represent exponential growth and decay in tables, graphs, words, and symbols; rules of exponents; scientific notation	Growing, Growing, Growing (6 weeks)
Symmetry and Transformations: symmetries of designs; symmetry transformations; congruence and congruence rules for triangles	Kaleidoscopes, Hubcaps and Mirrors (4 weeks)

Grading Procedures:

- Assessments and grading are applied consistently to students of similarly demonstrated ability. Assessments are based solely on demonstrated progress and achievement of reasonable and clear standards.

Grading Scale	
A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

Grade Percentages/Weights	
Homework, Classwork & Notebook Checks	25%
Assessments (including but not limited to Quizzes, Reflections, Tests, Projects)	75%

Group Grade Policy: If students are allowed to choose their group or partner, each person in the group will receive the same grade for the assignment/assessment.

Student Expectations:

- Every student will need two composition notebooks. One for warm-ups, classwork, homework, and reflections. The other composition notebook will be used for journal entries, notes, and vocabulary and can be taken to the high school with you. Students will also need a 3-pronged pocket folder to hold all data collected.
- Students are expected to use their agendas daily to record assignments and assessments. The schedule is given on Monday for that week. This is a great place to communicate with me.
- Students are expected to attend class regularly, be on time and be prepared (with pencils, pens, notebook, textbook, homework, calculator, and glue stick), be respectful of others, and to participate in class with a positive attitude.
- The student will be assigned a textbook that will be returned at the end of each unit. Failure to return a book will result in a \$20 fine.
- Homework can be expected on a regular basis and is due the following day in class, unless otherwise noted. Students who do not have their homework assignment for the day, and were in class when it was assigned, will be expected to make it up. It will be counted as late, with the maximum of 60% of the original value.
- Math's Mates will be passed out on Monday during class. Students are expected to complete that week's Math Mate assignment by the same Wednesday. Every Wednesday there will be a Math Mate's test.
- Absent students are responsible for making up all missed class work and homework assignments. In addition to checking the agenda, students can check my website, <http://www.century.adams12.org/Boyle.htm>, which is updated on a daily basis. District policy will be followed in regards to absences and make-up work.
- Extra help is available and encouraged. I am able to help students during class, as well as outside of class by appointment. Students should be concerned about their progress on a daily basis, not just at the end of the trimester. Updated grades are posted in class on a weekly basis. Progress reports will be emailed at least once every 3 weeks.
- Plagiarism and cheating will not be tolerated. Assessment will be graded as a zero and parent signature will be required.

