



Sarasota School of Arts and Sciences
8th Grade Math 3
2007-2008
Ms. Abby Coulter

AbbyCoulter@ssas.org

(941) 330-1855 x104

Course Description

Middle School Math 3 is a challenging and exciting math course. We will learn the concepts for working with equations and integrating algebraic strategies into problem solving and reasoning. We will stress improving our ability to read, write, listen, and communicate about mathematics, both individually and in cooperative groups. We will incorporate the standards covered on FCAT throughout the year. We will place emphasis on strengthening basic skills by decreased use of calculators and increased mental math skills. Students will apply concepts and skills to real-world problems that reflect our global society. Our ultimate goal is to master the skills, concepts, and strategies that will make all students successful on FCAT.

Materials

Composition book

2 pocket folder

Mechanical pencils

dry erase marker

Calculator for home use (basic 4 function with square roots)

Homework

*Students will be issued a textbook that they are expected to keep at home. Homework will be completed in a composition book. Unless otherwise stated, problems must be copied and all work shown. Homework will be given daily and checked at the beginning of class on the next school day. **Late homework receives no credit.** Homework missed due to absence can be picked up the following day in the bin next to the front door.*

Contacting the Teacher

You may contact me by email at AbbyCoulter@ssas.org Email communication eliminates playing phone tag, which happens so often with everyone's busy schedules. I will answer emails promptly, usually the same day. You may also contact me by phone. (941) 330-1855 ex. 104) Please leave your name, your child's name, a phone number where you can be reached, and the issue that is to be addressed. It is also helpful to let me know a good time to return your call. I return phone calls either before or after the regular school day. Conferences will be scheduled during the year to meet in person and discuss your student's strengths and concerns.

GRADING – Grades are posted on www.edline.com weekly.

40%	Tests
25%	Quizzes
25%	Written Assignments (Classwork and Homework)
10%	Participation

COURSE CONTENT

Text – Holt Middle School Math – Course 3 – Florida Edition

First Quarter

Chapter 1 – Algebra Tool Box

Equations, inequalities, graphing on a Coordinate Plane

Chapter 2 – Integers and Exponents

Equations and inequalities using integers, exponents and Scientific Notation

Chapter 3 – Rational and Real Numbers

Fractions and equations using rational numbers, squares and square roots

Second Quarter

Chapter 4 – Collecting, Displaying, and Analyzing Data

Surveys, sampling, measure of central tendency, graphs and scatterplots

Chapter 5 – Plane Geometry

Properties of geometric shapes, coordinate geometry, transformations, symmetry and tessellations

Chapter 6 – Perimeter, Area, and Volume

Pythagorean Theorem, 3-dimensional figures, and surface area

Third Quarter

Chapter 7 – Ratios and Similarity

Ratio and proportions, dilations, similarity, scale drawings, and scaling 3-dimensional figures

Chapter 8 – Percents

Decimals, fractions and percents, percent error, percent increase and decrease

Chapter 9 – Probability

Experimental and theoretical probability, generating random numbers, Pascal's triangle

Fourth Quarter

Chapter 10 – More Equations and Inequalities

Two-step equations, variables on both sides of the equation, systems of equations

Chapter 11 – Graphing Lines

Graphing linear equations, slope and intercept

Classroom Rules

- *Respect everyone and everything*
- *Come to class on time prepared to learn*
- *Raise your hand to speak and wait to be called on*
- *Follow directions, participate and enjoy learning*
- *Leave gum, candy, tapping, humming and napping out of the classroom*

Consequences

- *“THE LOOK”*
- *Write rules and call parent*
- *Behavior Essay – Signed by a parent*
- *Detention*
- *Administrative Intervention*

Rewards

- *Praise*
- *Bonus Points*
- *Pride in your good grades*
- *Hugs, smiles and praise from proud parents*
- *“Joy of Learning”*