

**Syllabus**  
**Math 2 Advanced**  
**2007-2008**  
**Mr. Don Miller**

**Course Description**

Middle School Math 2 advanced 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 using calculators and 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.

**Homework**

Students will be issued a textbook that they are expected to keep at home. Homework must be completed on loose-leaf paper. Unless otherwise stated, problems must be copied and all work shown. Homework will be checked at the beginning of class on the next school day. Homework missed due to absence can be picked up the next day in the bin next to the front door. Assignments can also be obtained through *www.edline.net*. Our math text also has connections to Homework Help Online. See the textbook for details.

**Contacting the Teacher**

You may contact me by email at *DonaldMiller@ssas.org*. I try to answer email promptly and usually with 24 hours. You may also contact me by phone. (941 330-1855 ex. 114) 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 call. I try to return phone calls at the end of the school day. Conferences will be scheduled during the year to meet and talk about your child. Please do not pop in before or after class to discuss a concern. I have 125 students and need this time to organize my materials, check assignments and help students. I would prefer to talk to you about your child when I can give you my full attention and not be overheard by other students.

## GRADING

70%	Tests & Quizzes
20%	Classwork
10%	Homework

## COURSE CONTENT

### Text – Holt Middle School Math – Course 2 – Florida Edition

#### **First Quarter:** Chapters 1-3

Central Tendency, Frequency tables, Various types of graphs, Exponents, Order of operations, Primes, Divisibility, Decimals, Solving simple equations, Integers

#### **Second Quarter:** Chapters 4-6

Fractions, Integers, Rations, Rates, Proportions, Similar figures, Scale drawings, Percents

#### **Third Quarter:** Chapters 7-9

Plane geometry, Perimeter, Circumference, Area, Pythagorean Theorem, Volume, Surface area

#### **Fourth Quarter:** Chapters 10-12

Equations, Inequalities, Functions, Slope, Rates of change, Review