

Sarasota School of Arts and Sciences

Mrs. Della Lowe

2011-2012

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### Course Description—Math Lab

Middle School Math is a challenging and exciting math course. In Math Lab, I will help you with any of your math classes, homework or concepts that you are struggling with or that just needs a little tweaking. We will learn the concepts of working with different sets of numbers; skills of displaying, organizing, and analyzing data; to use proportions; different aspects of geometry; and the beginning aspects of algebraic reasoning. The ability to read, write, listen, and communicate about mathematics, both individually and in cooperative groups will be greatly stressed to help you become an active participant in our math filled world. We will review previous skills and introduce challenging new concepts, emphasizing projects and activities that relate to real world math. Practicing these skills and concepts on a daily basis, teamed with multi-sensory strategies, creates a bank of retained skills for you to build upon. We will follow the basic scope and sequence (listed below) that your math teachers follow. We will not only practice the concepts, but the tools to make you more successful at math.

#### Quarter 1

- Integers
- Rational Numbers
- Linear Equations

#### Quarter 2

- Proportions and Similarity
- Linear Functions
- Percents

#### Quarter 3

- Data Analysis and Probability
- Surface Area and Volume
- Measurement and Proportional Reasoning

#### Quarter 4

- Transformations
- Geometry & Spatial Reasoning
- Statistics
- Inequalities, Functions, and Monomials

***\*\*This sequence of topics is subject to change throughout the course of the school year.\*\****

## Materials

Paper

Mechanical pencils

Extra lead if you run out

Dry erase marker

## Grading

Assignments have the following point values:

### Tests and Book Reports

35%

If you are planning on being absent the day a project is due, **YOU MUST HAND IN THE PROJECT A DAY EARLY**. Any projects that are late will receive half credit. Any major test must be made up the following Friday (silent reading day) and the student must request it.

### Quizzes

30%

Students must make up all missed quizzes on the following Friday or at lunch.

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### Classwork / Homework

30%

It is imperative that students take notes on literary terms, grammar definitions with examples, and writing samples. Students will also have periodic exercises and group activities in class. All class work must be in the appropriate section of the spiral 3-subject notebook. Homework is always posted on the board, as well as the Team News. There may be a date each quarter that any and all late work will be due. After that date no late work of any kind will be accepted. You will not get homework in this room, unless you have not finished for your other math class.

**BE WARNED!!!! YOUR MATH TEACHER AND I WILL COMMUNICATE TO MAKE SURE YOU ARE ON TRACK AND TURNING IN WORK ON TIME.**

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## Bell Work

5%

Each class period will begin with Bell Work, which will be posted clearly on the Elmo/overhead. Students must begin Bell Work immediately after writing homework assignments in the Agenda.

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## Tips for Success

1. Be at school. Make up work can be overwhelming when many days are missed, not to mention learning the lessons missed.
2. Work hard in and out of class. Your teachers hold high expectations and your future bosses will hold even higher expectations. It is important that you learn to work hard now.
3. Take advantage of extra help. If someone is willing to help you at school or at home, take the opportunity for extra practice and help.

***Do not procrastinate (wait until the last minute) to complete assignments. Begin working on assignments when they are assigned. Other assignments or tests maybe assigned in other classes which can lead to an overwhelming amount of work.***

## 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, liquids, tapping, drumming, humming and napping out of the classroom

## Student Expectations

***I hold all students to the same expectations every day whether with me or a substitute.***

- 1.) Always be on your best behavior acting with the utmost respect for everyone and everything.
- 2.) Always give class assignments your best efforts.
- 3.) Do not argue with other students or teachers.
- 4.) Attitude is everything. Make sure yours is positive before entering class.

## CLASSROOM PROCEDURES

Take care of your business before class (drinks/restrooms). If you have to go to the restroom, follow bathroom procedures as modeled by Mrs. Lowe and/or listed below.

### Bathroom/Classroom Sign Out

1. Fill out **Agenda Hallway Passport** page (IN YOUR AGENDA) as demonstrated. (See example on Elmo/overhead).
  - a) In a **quiet stealth-like manner**, hand agenda to teacher to sign. (**Do Not approach teacher to go to restroom while a speaker is speaking unless it is an emergency**).
  - b) Sign out on **teacher bathroom list posted by the door** once you have gotten teacher signature.
  - c) Quietly and efficiently go to the restroom or the place you signed out to go.
  - d) Upon returning to the room, **Be Quiet** and return to the seat you were in before you left.
2. Bring **two** (working) writing instruments—don't disrupt class to sharpen pencils!
3. Enter classroom quietly and sit in assigned seat.
4. Write homework in Agenda.
5. Begin Bell Work immediately.

**\*\*Backpacks\*\***- When you arrive in class, go to your assigned seat, remove any items you will need for that class period and put your backpack to assigned place in room. You **WILL NOT** be able to go back to your backpack unless permission is given from teacher.

**If you are absent:** You are responsible for any make-up work. You have the same number of days you were absent to make up work. (Ex. 2 days absent = 2 days to make up). Make-up work will usually be in an appointed bin, in a folder marked "MAKE-UP WORK". It is your responsibility to check the assignment calendar and/or ask your study buddy to see what you missed.

## Consequences

1. "THE LOOK" (Warning)
2. Write classroom rules and notification of parent via phone
3. Behavior Essay—Signed by a parent
4. Morning Detention
5. Administrative Intervention/County Referral and Suspension

*\*\*IF I deem the offense severe, steps one and two can be skipped. I will call home to parents in these cases.\*\**

## Rewards

- Praise
- Bonus Points
- Pride in your good grades
- Hugs, smiles and praise from proud parents

## Wish List

Colored copy paper

Cardstock

Dry erase markers

Glue sticks

Pencils

## *\*MATH ONLINE HOMEWORK HELP/PERSONAL TUTOR\**

Go to <http://sarasotacountyschools.net/>

Click on **students**

Click on **Angel Web**

User Name is your **N#** \_\_\_\_\_

Password is your **pin number** \_\_\_\_\_

Log on

Click on **student textbook library**

Click on **Math textbook**

Click on your **book**

Go to the **chapter**

Go to the **lesson**

Click that tab that says **lesson playlist**

Click on the **personal tutor**

For the **chapter practice test online**, click the tab that says **chapter playlist**



\*\*\*\*\*RETURN THIS PAGE TO MRS. LOWE-MATH LAB\*\*\*\*\*

Signatures

I have read and agree to the class syllabus, classroom procedures, classroom calculator policy and home computer policy. I understand that I may also access the syllabus, procedures and current grades throughout the school year on-line through *www.edline.net*.

Student Name \_\_\_\_\_ Date \_\_\_\_\_ Per. \_\_\_\_\_

Student signature \_\_\_\_\_

Parent/Guardian signature \_\_\_\_\_

Email address \_\_\_\_\_

*Note: Email is Mrs. Lowe's preferred method of initial communication.*

Which is the best time to call the parent/guardian and at what phone number?

8:00 – 9:00 AM at \_\_\_\_\_

9:00 – 10:00 AM at \_\_\_\_\_

4:30 – 5:30 PM at \_\_\_\_\_

6:30 – 9:00 PM at \_\_\_\_\_