Course Overview

Math 1 students will be using a new textbook this year: *Mathematics 1,* published Pearson. This course has been designed to meet the **College and Career Readiness Standards for Mathematics** by providing a greater emphasis on conceptual understanding, connecting concepts throughout the course, and applying mathematical practices to everyday life. Math 1 will incorporate 3 areas of mathematics:

- Algebra which includes: properties, <u>variables, equivalence, solving equations and inequalities, proportionality, functions,</u> and modeling.
- Statistics and Probability which includes: data collection and analysis, data representation, and probability.
- Geometry which includes: visualization, transformations, measurement, reasoning and proof, similarity, and coordinate geometry.

Recommended Materials

Textbook: *Mathematics 1* by Pearson
Pencil and eraser
Scientific Calculator
Spiral Notebook
Lined paper

Class Rules

1. Be on time or bring a HERO if tardy.
2. Follow directions and stay on-task.
3. Be respectful to others and the environment.

All rules from the El Modena Student Handbook will be enforced at all times.
1st offense: verbal warning/seat change
2nd offense: phone call(email) home/detention
3rd offense: phone call (email) home/referral
4th offense: referral to room 402

Cell Phones

- Cellphones will not be used during direct instruction.
- Netiquette points will be lost by students who are using cellphones at inappropriate times.
- Repeat offenders will have their phone taken away during the period accompanied by a parent phone call.

Classwork/Homework

Classwork will be assigned and collected daily for classwork/participation points. Homework will be assigned daily. Late assignments will be worth half credit.

Quizzes and Tests

Quizzes will be given periodically/daily as a formative assessment. Corrections will be offered for all quizzes. Tests will be given mid chapter and at the end of the chapter. Students will be able to retake tests by completing test corrections and meeting with the teacher outside of class. All test retakes will be averaged with the original test grade.

Grades

Homework	15%
Quizzes	20%
Classwork/Participation	10%
Netiquette	5%
Tests	35%
Final Exam	15%

Grade Scale

90% - 100%	A	80% - 89%	B
68.5% - 79%	C	0% – 68.4%	F

(As per El Modena's Academic Policy: Any cheating will result in a ZERO.   A semester grade of C or better is needed to move to the next course.)

Course Contents

There are 14 chapters:

- Chapter 1 Solving Equations and Inequalities
- Chapter 2 An Introduction to Functions
- Chapter 3 Linear Functions
- Chapter 4 Systems of Equations and Inequalities
- Chapter 5 Exponential and Radical Functions
- Chapter 6 Data Analysis
- Chapter 7 Tools of Geometry
- Chapter 8 Transformations
- Chapter 9 Connecting Algebra and Geometry
- Chapter 10 Reasoning and Proof
- Chapter 11 Proving Theorems about Lines and Angles

Pearson Easy Bridge

Pearson Easy Bridge contains the on-line textbook and assignments. Students can access this program through their single sign on.

Occasionally, work will be assigned from Math XL.

Video Tutorials, called "Virtual Nerd" are available through links on Easy Bridge.

Group Work/Partners

Students will be working in groups and with partners throughout the year to promote the development of communication and collaboration.

Contact Information

- Email preferred sshimekrector@orangeusd.org
- 714-997-6331

Office Hours

Most days before school M-F.
After school by Appointment.
During 3rd period conference.
Most days during lunch M-F.

Weekly math tutoring will be offered. Times and days to be determined.

Attendance

- Good attendance is necessary for success!
- For excused absences, it is the student's responsibility to complete any missed assignments. This includes absences due to sports, assemblies, fieldtrips, etc.
- Truant work cannot be made up and will result in a zero.