Welcome to our Algebra class. The primary goal of this course is for the student to actively engage themselves in a positive learning experience in which there is increased appreciation and understanding of mathematics in the world. It is my hope that students will find joy and success in solving problems and grow as learners and participants within our classroom community. To reach these goals the course curriculum is structured around the Common Core Standards through our Algebra textbook.

All activities within the classroom are expected to contribute to an atmosphere of learning in which respect, involvement in learning, and a positive attitude are essential components.

In order for us to accomplish our mathematics and personal goals please make note of the following guidelines:

- Attend every class. New topics are covered daily. This is VERY IMPORTANT!!!
- Arrive on time and be prepared with completed assignments and supplies.
- Begin participating in the introductory activity as soon as you arrive.
- Use class time wisely. You lead busy lives and the best time to complete your coursework is during class when you have the assistance of your teacher and peers.
- Seek help when needed. Utilize our class website, online text materials (including videos), before school help, study buddies, peer tutors, professional tutors.
- ASK Questions! I welcome and encourage good understanding...smart people ask questions!

Grading: What you learn, you earn! You are the master of your own learning and performance. I commit to do my very best to facilitate your learning and in the end, like most things in life, you will get out of this course what you put into it. I will do my best to inspire you, guide you, and remind you to stay focused with the goal. The rest is up to you.

Grading Scale: **Grade Composition:**

93-100	A	80-82 B-	67-69 D+		Assessments	60%
90-92	A-	77-79 C+	60-66 D		Quizzes	20%
87-89	B+	73-77 C	< 60 F		Assignments	20%
83-86	B	70-72 C-				

Homework and Assessments:

Please expect an assignment each time we meet. Assigned work is due the next class period for full credit. Assignment scores are completion scores only. They do not reflect your understanding of the concepts. You are expected to check your answers with the odd numbered problems in the back of the book or the worked out solutions key online and ask questions for those you struggle with during class or before school. (Late or incomplete homework will earn partial credit if it is completed by the next class period; otherwise it is counted as no credit. The late or incomplete policy is for *RARE* situations only.) The best way to be successful is to keep pace with the class. You can expect at least one quiz per chapter, perhaps a team quiz if it is a challenging chapter, a test upon completion of the chapter, and a comprehensive final exam at the end of the semester.

If a student experiences unlikely poor performance on a chapter test they may edit their test for increased understanding and points (for a minimum of ¼ points missed) and only once per semester. To take advantage of this opportunity students must complete all assignments for the chapter and make edits prior to the next chapter exam. It is the student's responsibility to schedule the edit activity (usually during Make Up Monday). There are no retakes on final exams.

A practice test is provided for each chapter test and the final exam along with answer keys. Practice is the key to positive performance. Take advantage of these opportunities!

Classroom Website:

Our classroom website is your link to assignments, lessons, notes, and tips. Your online text comes with a multitude of support: practice problems, step by step examples, teaching videos, interactive practice quizzes and tests, and more! After good attendance and engagement in class these are your best places to look for help to keep you in the know and on track. Please consult the online resources if you are absent or if you are struggling. You will most likely find answers to your questions there – help yourself!

You will find the course outline on the next page.

I look forward to a successful year of math for each of us ~ welcome.
~ Mrs. Tsolomitis

Algebra 2 Course Outline

Algebra 2 is the third year in a three-year sequence of high school mathematics. This course will cover advanced functions, sequences and series, polynomial functions, exponential and logarithmic functions, conic sections and trigonometry. The real number system is extended to include complex numbers. All topics are studied from an algebraic, graphical, numerical and exploratory approach. An emphasis on applications and appropriate calculator use will be integrated throughout the year.

- *Semester 1*

    Chapter 1: Foundations for Functions
    Chapter 2: Quadratic Functions
    Chapter 3: Polynomial Functions
    Chapter 4: Exponential and Logarithmic Functions

- *Semester 2*

    Chapter 5: Rational and Radical Functions
    Chapter 6: Properties and Attributes of Functions
    Chapter 7: Probability
    Chapter 8: Data Analysis and Statistics
    Chapter 9: Sequences and Series
    Chapter 10: Trigonometric Functions
    Chapter 11: Trigonometric Graphs and Identities
    <Chapter 12: Conic Sections>

Graphing calculator: TI-83 Plus or higher is required. If looking to purchase, a TI-84 Plus CE is highly recommended.