Course Description:

Unit1: Students will revisit solving quadratic equations in this unit.

Unit 2: This unit develops the structural similarities between the system of polynomials and the system of integers.

Unit 3: In this unit, students continue their study of polynomials by identifying zeros and making connections between zeros of a polynomial and solutions of a polynomial equation.

Unit 4: Rational numbers extend the arithmetic of integers by allowing division by all numbers except 0.

Unit 5: Students extend their work with exponential functions to include solving exponential equations with logarithms.

Unit 6: In this unit students synthesize and generalize what they have learned about a variety of function families.

Unit 7: In this unit, students see how the visual displays and summary statistics they learned in earlier grades relate to different types of data and to probability distributions.

Grade Procedure: Paulding County School System Grading policy will be used and is as follows:

Grading Categories		Letter Grades	
Summative Assessments	60%	90 – 100	A
Formative Assessment	20%	80 – 89	B
Informal Assessments	0%	70 – 79	C
Final exam	20%	69 and below	F

Mathematics Department Mastery Plan:

Students will have an opportunity to show mastery (retest) on **one** summative test (no matter the original grade) for full credit replacement. Students will <u>also</u> have the opportunity to retake a summative test on which they score below a 70. The highest score they can make on the retest is a 70.

- o   To take advantage of these opportunities, students must satisfy the following:
    - o   must have attempted the original assessment
    - o   prepare for and attend at least one tutoring session with their teacher within a week and retest before the next summative test.
    - o   complete all assignments that support the instruction of the assessment

- o   **Any assessment where cheating has occurred is exempt from these opportunities.**

Notebooks and supplies: Each student is expected to keep a math notebook. A 3-ring binder is suggested. Success in this course is definitely based on the ability to take good class notes. **Since there is no textbook for this course, class notes are essential.**

***Calculators: **This is a class that a Calculator is required to be able to participate and be successful.   You CANNOT use Cell phone calculators! *** They can be rented for $20 for the year.**

Make-Up Work: If a student is absent, i*t is his/her responsibility to learn, obtain, and complete the work missed.* The student should confer with the teacher, website, and other students in the class for any missed assignments. I do not replace zeros (either earned or not made up) with any other grades. If

you miss the day before a test you are still expected to take the test when you return. Please see handbook for policy on when make up work is due.

Homework Procedure: All work must be shown for full credit. Student homework will be given for each chapter. Homework may or may not be utilized as an individual assessment; however, students may benefit on quizzes and/or tests from completion of homework.

Quizzes: Quizzes will be given at the discretion of the teacher and may be unannounced. Quizzes count as a formative grade. ALL WORK MUST BE SHOWN TO RECEIVE CREDIT!!!

Tests: Unit tests will be announced in advance. If a student is in attendance on the day of the test, the student is expected to take the test. ALL WORK MUST BE SHOWN TO RECEIVE CREDIT!!!

Cheating: If a student is found cheating on any written work, a grade of zero will be given. This grade cannot be made up under any circumstances. The student will also be referred to an administrator for disciplinary action.

Tardies: Students are expected to be in class, seated and ready for class to begin when the last bell rings. Tardies to class will be dealt with as stated in the Student handbook.

Classroom Expectations

Be respectful. Keep hands, feet, objects, and comments to yourself.
- Be on time and come to class prepared. Bring paper, pencil, homework, textbook, binder and calculator every day.
- Stay focused and on task. Every student is expected to participate in all activities the entire class period.
- No food, snacks, or drinks are allowed in the classroom. Bottled water is permitted.
- No cell phones may be used during class unless the teacher has given permission.

Choosing not to follow any of the above rules may result in disciplinary action.

Extra Credit: There is NO extra credit offered. You must choose and accept responsibility for your own learning. Take good notes, pay attention in class, do your classwork and homework, and get extra help if you do not understand a concept. Mathematics builds on previous knowledge. If you do not understand the beginning concepts, you will most likely struggle towards the end of the semester.

Help Sessions: Tutoring may be available in the afternoons to any student who feels the need for extra help. However, if a student is not utilizing class time wisely, the request for extra help may be denied.