

Course Title : Foundations of Algebra		YEAR 2020-2021
Location	Room 213	
Instructor	Mrs. Mary Mariacher	
Planning Period	7 th period (12:25 – 1:09) Phone: (724) 662 -5104	Parent Teacher Conferences may be scheduled before school from 7:45 to 8:00 or during the planning period.
Email	mmariacher@mercerc.k12.pa.us	
Description	The focus of this course is on developing and improving Algebra skills including working with integers and variables, solving equations, graphing equations, and data analysis.	
Texts Used	Globe Fearon's Pacemaker Algebra I, Second Edition	
Homework Policy and Philosophy	The application of homework within almost every learning activity is a valuable means of reinforcement. Homework will be assigned on a regular basis. It is designed to be a learning activity and an extension of the lesson taught in class. Because it is a learning activity, homework is evaluated primarily on its completeness rather than correctness. However, the instructor reserves the right to change this as needed.	Homework Philosophy "The application of homework within almost every learning activity is a valuable means of reinforcement and evaluation. It is the teacher's role to define such assignments and the responsibility of the students to complete them on time. Parents must also assume their responsibility in regard to student homework; therefore, proper communication between the home and the school are vital in establishing assignments, which can significantly contribute to the overall educational process."
Grading 96.5 A+ 92.5 A 89.5 A- 86.5 B+ 82.5 B 79.5 B- 76.5 C+	Grades are based on percentage system and the number of assessments and grades will vary from semester to semester. Evaluations will be in (but not limited to) the following forms: Homework Quizzes Tests In-Class Activities	Academic Integrity "Students caught cheating, plagiarizing, copying homework and/or test, quizzes, and using a paper from the Internet will be given a "0" (zero) on that assignment. In addition, their name will be reported to the office and filed in the event of future violations. Repeated violation could result in removal from class and a non-passing grade."

<p>72.5 C 69.5 C- 66.5 D+ 62.5 D 59.5 D- Below F</p>	<p>Projects</p> <p>Students are expected to keep all quizzes, tests, and worksheets. These will provide a resource to study for midterm and/or final exams and serve as a record in case there is a discrepancy between the expected grade and the one received.</p> <p>Late assignments, other than daily homework, will result in a deduction of one letter grade for each day late. NOTE: assignments listed above not turned in during the class period due will be</p>	<p>When a student is in jeopardy of failing, a progress report will be sent home. This will occur during the 3rd and 6th weeks in junior high block classes, and any time after the 4th week in other classes.</p>
	<p>considered late.</p>	
<p>Classroom Rules</p>	<p>Be on time</p> <p>Come to class prepared every day: text book 3-ring binder completed homework pencil</p> <p>Be respectful</p> <p>Participate in class</p> <p>Accept responsibility for your work, words, actions</p> <p>Do your best</p>	<p>Make-Up Work</p> <p>"Students on a pre-approved trip of more than one day will be expected to makeup any work minimally on the second full day upon the student's return up to a maximum of five days. Students are required to get all missed work prior to pre-approved absence.</p> <p>For one day or one period - school related absence (athletics/academic games, etc) - it is the student's responsibility to make up the work upon their return to the classroom. It is recommended that they see the teacher ahead of time to determine what they will miss while they are gone."</p> <p>Late to Class</p> <p>"A student who is late to class will be given a verbal warning on the first offense. Additional offenses will result in a discipline referral to the office."</p>
<p>Required Materials</p>	<p>Students are required to have a 1.5 – 2 inch 3-ring binder, spiral notebook for homework, paper, and pencil.</p>	
<p>Additional Help</p>	<p>Students who seek additional help should see the instructor during advisory period or during their support period.</p>	<p>Tutoring</p> <p>Extra Assistance is available on a regular basis during after school hours (Tuesdays, Wednesdays, and Thursdays from 3:30 to 4:15) by contacting the Guidance Office at (724) 662-2272. It is the students' responsibility to seek such tutoring if needed.</p>

OUTLINE OF MATERIAL COVERED IN THIS CLASS

# Days	Material Covered During Time Period	Notes
10	Review of Basic Skills	Addition, subtraction, multiplication, division of whole numbers; memorization of basic x facts; estimating answers
15	Chapter 1 – Numbers for Algebra	Addition, subtraction, multiplication, division of integers; exponents
20	Chapter 2 – Tools for Algebra	Order of operations, variables, combining like terms, expressions, equations, distributive property
25	Chapter 3- Solving Equations	Inverse operations; solving 1 step problems; solving equations using more than 1 operation
10	Problem Solving	Reading and interpreting word problems in terms of variable expressions and equations; solving word problems; explaining answers
12	Chapter 4- Introducing Functions	Coordinate plane, graphing ordered pairs, basic functions
22	Chapter 5- Linear Equations and Functions	Equations with 2 variables, slope of a line, intercept, parallel and perpendicular lines
16	Chapter 6 – Writing Linear Equations	Writing the equation of a line using the following: point(s), slope, y-intercept
14	Chapter 7 - Inequalities	Solutions on a number line, solutions in the coordinate plane, solving 1 and 2 step inequalities
15	Chapter 9 – Data Analysis	Mean, median, mode, minimum, maximum, range, scatter plots, box-and-whisker plots, frequency tables
11	Chapter 8 – Systems of Equations and Inequalities	Solving systems by graphing, substitution, adding, subtracting, and multiplying
170 days of instruction		

****Length of time spent on each topic is subject to change based on the level of understanding of the topic demonstrated by the students.**