

Algebra 2		ACADEMIC YEAR 2023-24	
Location	Room 212		
Instructor	Mrs. C. Gilmore		
Planning Period	3rd Period (9:34 – 10 :18) Phone: (724) 662-5104	Parent-Teacher Conferences may be scheduled before school from 7:45 to 8:00 or during the planning period.	
Email	cgilmore@mercerc.k12.pa.us		
Class Website	http://www.mercerc.k12.pa.us/... Google Classroom Code: Period 1 = idgcjzl Period 7 = aygpw4x Period 8 = gftslhm		
Description	This course is designed to prepare students for the concepts covered in Algebra 3/Trig/Pre-Calc.		
Textbook	Algebra 2 copyright 2008 Holt.		
Homework Policy and Philosophy	Students should expect to have a homework assignment each night. Homework assignments are necessary in order for students to practice the concepts covered in class that day. I will assign only the amount of homework that I feel is necessary for students to master each concept. Homework will be reviewed on a daily basis and will be worth 2 points a piece. It is the responsibility of the student to check their work as we review homework and ask any questions about what they missed! Most homework assignments will be factored into your quarterly homework grade. If I choose to collect an assignment and grade it for correctness, this assignment will be worth a minimum of 5 points.	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 home and the school are vital in establishing assignments, which can significantly contribute to the overall educational process.”	
Required Materials	Students are to have a 3-ring binder (minimum of 2”) WITH PAPER, their text book, and a writing utensil with them AT ALL TIMES. Failure to comply will result in a deduction of participation/homework points and/or an after-school detention. ***Calculator Rules*** 1. STUDENTS MUST USE SCHOOL-ASSIGNED CALCULATOR ONLY! 2. Students must get their calculator on the way in the door. 3. Your cell phone MUST replace the calculator in the caddy. See me if you don’t own a cell phone. See me if you don’t have your phone on a particular day! 4. Students are to put their calculator away and retrieve their cell phone on their way back out the door. Failure to adhere to these rules will result in you losing your calculator privileges until further notice!		
Grading	Grades are based on a percentage system. The number of assessments and grades will vary from quarter to quarter. Evaluations will be in (but not limited to) the following forms: Participation Graded Homework In-class assignments Warm Ups Notebook Check Quizzes Tests Students are encouraged to keep a record of point totals in case there is a discrepancy. Each student is required to keep all quizzes, tests, and worksheets in his/her binder. These will provide a resource to study for any chapter test, semester, or final exams. Late graded assignments will result in a deduction of one letter grade for each day late. Late homework assignments will be worth no credit.	Academic Integrity Students caught cheating, plagiarizing, copying homework and/or tests, quizzes, and using 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 violations could result in removal from class, a non-passing grade, or a discipline hearing.” When a student is in jeopardy of failing, a progress report will be	

	<p>NOTE: Assignments not turned in at the beginning of the class period due will be considered late. Students will be given a zero for late homework assignments.</p>	<p>sent home. Progress reports for students in grades 7-12 will be mailed at the mid-point of each marking period.</p>
<p>Classroom Rules</p>	<p>Cell phones and other electronic devices including earbuds and smart watches are <u>STRICTLY PROHIBITED</u> in the classroom. Cell phones are to be placed in the calculator caddy on your way in the door and to be picked up on the way out the door. I do not want to SEE your phone at your desk for any reason. There is no need for a phone in class when you have a chrome book, so USE it instead!</p> <p>Other rules that will be enforced are as follows:</p> <ol style="list-style-type: none"> 1. Arrive on time. 2. Be organized and prepared for class. (Always bring binders, textbook, <u>pencil</u>, etc.) 3. Raise your hand BEFORE speaking. 4. Listen to others and participate in class discussions. 5. Follow directions the <u>FIRST</u> time given. 6. Remain in your seats until you are dismissed. 7. It is the responsibility of the student to obtain notes/materials when he/she is absent. <u>CHECK THE HW CALENDAR and/or GOOGLE CLASSROOM!</u> 8. Show respect for yourself, others, and the teacher at all times. <p>If any student chooses not to follow any of these classroom rules, consequences WILL follow. The consequences may include, but are not limited to, a deduction of participation points, a detention, a discipline referral to the office, or a conference with the student's parent(s). If the violation is of serious offense, a meeting with the principal and/or parents will be scheduled.</p> <p><u>***RULES FOR SUBSTITUTE TEACHER***</u></p> <ol style="list-style-type: none"> 1. CHECK GOOGLE CLASSROOM FOR INSTRUCTION!!! 2. You <u>must</u> do the assignment that is on google classroom or that the sub asks you do to. 3. YOU ARE <u>NOT</u> PERMITTED TO MISS MY CLASS JUST BECAUSE A SUB IS HERE! <u>DO NOT</u> ask to go to another teacher's room! <p>Do not let the sub write your name down on his/her sub report!!</p> <p>Failure to adhere to these rules will result in an <u>automatic detention</u>.</p>	<p>Make-Up Work</p> <p>“Students are required to make up all missed work within a maximum of one school week after returning from any absence. Teachers may require student’s makeup work within a like number of days for any absence i.e, two days absent – two days to complete the missed work. If a student is absent on the day of a scheduled assessment they will be required to complete that assignment on the day he/she returns to school unless other arrangements are made with the teacher.”</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. The student must have all assigned work completed upon the 1st day returning from a pre-approved trip. Any assessments must be completed on the day of return unless other arrangements are made with the teachers.”</p> <hr/> <p>Late to Class</p> <p>“Students reporting late to class must secure a pass from the previous teacher if they were legitimately detained. Without such a pass, the student will be liable for detention.”</p>

Additional Help	<p>Students who seek additional help should make an appointment with the instructor. Students may also acquire a pass from the instructor to receive assistance during the advisory period at the end of each school day (2:46 – 3:15). Also, I am here most mornings by 7:30 and am willing to help at that time as well.</p> <p>Please seek help right away, do not wait until you can no longer dig yourself out of the hole you are in!</p>	
Chrome Books	<p>Each student will be issued a chrome book to use through the school year. Every student needs to adhere to the rules for use given by the administration in the 1:1 handbook including, but not limited to the following:</p> <ol style="list-style-type: none"> 1. Chrome books must come to class with you <u>every</u> day. 2. The chrome book must be charged enough for use in class <u>every</u> day. 3. The chrome book is to be used only when I instruct you to do so. 4. You are NOT permitted to be on any website other than the ones you are instructed to go to by the teacher. 5. Chrome books may NOT be shared. <p>Failure to adhere to the rules of chrome book use will result in any or all of following consequences:</p> <ol style="list-style-type: none"> 1. Loss of participation and/or assignment points. 2. Confiscation of Chrome book 3. After school detention 4. Referral to the office. 	

*****OUTLINE OF MATERIAL COVERED IN THIS CLASS*****

# Days	Material Covered During Time Period	Notes
Minimum of 10 days	Chapter 1: Number sets, properties of real numbers, square roots, algebraic expressions, properties of exponents, function notation, transformations, and parent functions.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 10 days	Chapter 2: Linear equations and inequalities, proportional relationships, graphing linear functions, writing linear functions, linear inequalities, transforming linear functions, solving absolute value equations and inequalities and absolute value functions.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 8 days	Chapter 3: Solving linear systems using graphs and tables and algebra, solving systems of linear inequalities, linear equations in three dimensions and linear systems in three variables.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 12 days	Chapter 5: Using transformations to graph quadratic functions, properties of quadratic functions, solving quadratic equations by graphing and factoring, complete the square, complete numbers and roots, the quadratic formula, solving quadratic inequalities, and operations with complex numbers.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 12 days	Chapter 6: Polynomials, multiplying and dividing polynomials, factoring polynomials, finding real roots of poly. Equations, the fundamental theorem of algebra, transforming poly. Functions, and graphs of poly. functions.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 10 days	Chapter 8: Variation functions, multiplying and dividing rational expressions, adding and subtracting rational expressions, rational functions and inequalities, radical expressions and rational exponents, radical functions and inequalities.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 8 days	Chapter 9: Multiple representations of functions, piecewise functions, transforming functions, operations with functions, functions and their inverses, and modeling real-world data.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 12 days	Chapter 10: Conic sections, circles, ellipses, hyperbolas, parabolas, identifying conic sections, and solving nonlinear systems.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.
Minimum of 10 days	Chapter 11: Permutations and combinations theoretical and experimental probability, independent and dependent events, compound events, measures of central tendency and variation, binomial distributions and normal distribution.	Minimum of 2 quizzes throughout the unit with a chapter test at the completion of the unit.

*****Course Syllabus is Subject to Change At Any Time*****