ALGEBRA 2/STATS
Syllabus

Discovery Middle School
1304 Hughes Road
Madison, AL 35758

Teacher: Kelsey Johnson
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Course Description:	In Algebra II with Statistics, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. In the content area of Algebra and Functions, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. In the content area of Data Analysis, Statistics, and Probability, students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments. Students are introduced to the study of matrices in the Number and Quantity content area.
Course Objectives:	At the conclusion of this class, students will be able to comprehend the objectives mandated by the state for this course and to build a strong foundation for future math courses.
Classroom Expectations:	Classroom Rules and Procedures: 1. Be on time, on task, and prepared to learn everyday. 2. Keep all personal electronics put away. 3. Respect the teacher, the classroom, other students, and yourself. 4. Be responsible for your own learning. 5. Clean up after yourself. 6. Follow all small group rules.
Textbook:	Algebra 2 with Statistics ---Ron Larson & Laurie Boswell
Grading:	Test grades will account for 70% of the 9-weeks grade, with the remaining 30% being determined by quiz/daily grades. The grading scale is as follows: A (90-100), B (80-89), C (70-79), D (65-69), and F (below 65). Grades will be a reflection of mastery of the standards.

	Make sure all absences are excused as work can be made up and graded for excused absences only. ==This is a high school credit course that will count toward the students' GPA.==
Make-up Work:	Under normal circumstances, it is expected that students will submit previously assigned work upon return to school after an excused absence. All work missed on the day(s) of excused absences must be made up within a timeframe determined by the teacher. **It is the responsibility of the student to ensure he or she makes up work following excused absences. Students will not receive credit for and will not be allowed to make up any assignments, tests, work, activities, etc., missed during unexcused absences.** (DMS 2021-2022 Student Handbook)

Late Work:	For work turned in late, the following policy will apply:
	   • The assignment will drop one LETTER grade for each school day that passes. For example, if an assignment is turned in one school day late, the highest a student can receive is 89%; two days late, 79%, etc.
	1 day late = maximum credit 89%
	2 days late = maximum credit 79%
	3 days late = maximum credit 69%
	4 days late = maximum credit 59%
	5-10 days late = maximum credit 50%
	   • Half credit is always better than no credit! Until work has been made up, "Missing" (which counts as a zero) will be put in the grade book. This will be updated once work is completed and turned in.

Accommodations:	Requests for accommodations for this course or any school event are welcomed from students and parents.
Turnitin Notice:	The majority of writing assignments in this course will be submitted to Turnitin via the Schoology learning platform. The primary focus of this software is to help students become better writers and scholars. Turnitin generates a report on the originality of student writing by comparing it with a database of periodicals, books, online content, student papers, and other published work. This program will help students discern when they are using sources fairly, citing properly, and paraphrasing effectively - skills essential to all academic work.

	Students will have the opportunity to review their Turnitin originality report and will have the opportunity to make revisions before submitting their work for grading. Once their work is submitted, teachers have the opportunity to view the student's originality report and grade accordingly.
Technology	Concerning laptop utilization: 1. Student laptops should not be hard-wired to the network or have print capabilities. 2. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers. 3. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops. 4. Laptops and other electronic devices will be used at the individual discretion of the teacher.
Materials and Supplies:	1. Scientific Calculator/Graphing Calculator 2. School Issued Device 3. 2" 3 ring binder 4. Expo markers and eraser 5. 10 Dividers 6. 1 Pack of graph paper 7. 2 packs of lined paper

Semester Week Plan *Subject to Change*	
Week	**Unit**
1	Unit 1 Linear Functions
2	Unit 1 Linear Functions
3	Unit 2 Quadratic Functions
4	Unit 2 Quadratic Functions
5	Unit 3 Quadratic Equations and Complex Numbers
6	Unit 3 Quadratic Equations and Complex Numbers
7	Unit 4 Polynomial Functions

8	Unit 4 Polynomial Functions
9	Unit 5 Rational Exponents and Radical Functions
10	Unit 5 Rational Exponents and Radical Functions
11	Unit 6 Exponential and Logarithmic Functions
12	Unit 6 Exponential and Logarithmic Functions
13	Unit 7 Rational Functions
14	Unit 7 Rational Functions
15	Unit 8 Trigonometric Ratios and Functions
16	Unit 8 Trigonometric Ratios and Functions
17	Unit 9 Data Analysis & Statistics
18	Unit 9 Data Analysis & Statistics
19	Unit 10 Matrices
20	FINALS