Math 8
Syllabus

Discovery Middle School
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Madison, AL 35758

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Course Description:	Math 8 is based on the Alabama College and Career Ready Standards for 8th grade. Students who successfully complete this course will take Algebra I or Algebra IA and Algebra IB in the 9th grade. The curriculum addresses numerous mathematical concepts such as number theory, laws of exponents, algebraic expressions, slope-intercept method, linear functions, Pythagorean Theorem, irregular and composite plane figures, data collection and analysis, and experimental and theoretical probability. This course also deepens conceptual understanding through the Standards of Mathematical Practice.
Course Objectives:	(1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.
Classroom Expectations:	Classroom Rules and Procedures: 1. Have a positive attitude. 2. Be responsible. 3. Be respectful to others and their opinions. 4. Set high expectations for yourself. 5. Follow all school rules. -Be on time to class with all needed materials. -Each day the class will begin with a problem of the day (POD- bell work). It is expected that each student starts this upon entering the class and completes it in a timely fashion. -Students are to ask permission before leaving their seat. -Papers are to be headed properly.

	-It is the student's responsibility to check the designated area for make-up work. Make up work should be done in accordance with Discovery policies. -Cell phones and any other electronic devices will be collected and turned into administration if out during class without permission. - No food in the classroom unless specified by the teacher. -Turn papers into the appropriate tray or follow the specific directions given by the teacher. If assignments are not turned into the correct location they will not be graded.
Textbook:	Alabama Reveal Math 8
Grading:	Test grades will account for 60% of the 9-weeks grade, with the remaining 40% 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.
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* *2. 2 Spiral Notebooks* *3. 1 pack of lined notebook paper* **(turn in to teacher)** *4. 4 count* **(or more)** *of Expo Markers* **(turn in to teacher)**

9 Week Plan *Subject to Change*	
Week	**Unit**
1	Equations

2	Equations
3	Equations
4	Real Number System/Pythagorean Theorem
5	Real Number System/Pythagorean Theorem
6	Real Number System/Pythagorean Theorem
7	Scatter Plots/Two-Way Tables
8	Scatter Plots/Two-Way Tables
9	Scatter Plots/Two-Way Tables
10	Linear
11	Linear
12	Linear
13	Writing Linear Equations
14	Writing Linear Equations
15	Writing Linear Equations
16	Functions
17	Functions
18	Functions
19	Functions
20	Functions
21	Functions
22	Transformations
23	Transformations
24	Transformations
25	Systems of Equations

26	Systems of Equations
27	Systems of Equations
28	Exponents
29	Exponents
30	Exponents
31	Scientific Notation
32	Scientific Notation
33	Scientific Notation
34	Parallel Lines
35	Parallel Lines
36	Parallel Lines