



MATH 8 Syllabus

Discovery Middle School
1304 Hughes Road
Madison, AL 35758

Teacher: Cooper, Kelsey
Email: ktcooper@madisoncity.k12.al.us
Class Webpage: <https://www.madisoncity.k12.al.us/Page/1805>
Phone Number: 256-837-3735 ext. 82530

Course Description:	Math 8 is based on the 2019 Alabama Course of Study. 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:	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: <ol style="list-style-type: none">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:	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 <u>previously</u> assigned work upon return to school after an excused

	<p>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)</p>
Late Work:	<p>For work turned in late, the following policy will apply:</p> <ul style="list-style-type: none"> 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. <p>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%</p> <ul style="list-style-type: none"> 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:	<p>Requests for accommodations for this course or any school event are welcomed from students and parents.</p>
Turnitin Notice:	<p>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.</p> <p>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.</p>
Technology	<p>Concerning laptop utilization:</p>

	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1. Scientific Calculator 2. 2" 3 ring binder with 12 dividers 3. 4 count (Or more) of Expo markers (turn into teacher) 4. Notecards (turn into teacher) 5. 1 Pack of graph paper (Turn into teacher) 6. 2 packs of lined paper

9 Week Plan *Subject to Change	
Week	Unit
1	Review
2	Review
3	Transformations
4	Transformations
5	Transformations
6	Transformations
7	Square Roots/Cube Roots
8	Square Roots/Cube Roots
9	Exponents
10	Exponents
11	Exponents
12	Scientific Notation
13	Scientific Notation

14	Scientific Notation
15	Linear Equations
16	Linear Equations
17	Linear Equations
18	Midterms
19	Equations
20	Equations
21	Equations
22	Systems
23	Systems
24	Systems
25	Systems
26	Functions
27	Functions
28	Functions
29	Pythagorean Theorem/Rational Irrational Numbers
30	Pythagorean Theorem/Rational Irrational Numbers
31	Pythagorean Theorem/Rational Irrational Numbers
32	Parallel Lines and Transversals
33	Parallel Lines and Transversals
34	Parallel Lines and Transversals
35	Two-way Table/Scatter Plots
36	Finals