



ACCELERATED MATH 8

Syllabus

Discovery Middle School
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Madison, AL 35758

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Course Description:	<p>This Accelerated Grade 8 course has been carefully aligned and designed for middle school students who have completed the Grade 7 Accelerated course and show particular motivation and interest in mathematics. In Accelerated Math 8, there are five domains: The Number System, Expressions and Equations, Functions, Geometry, and Statistics and Probability. The algebra focus is on quadratic relationships. Students who successfully complete this course will be prepared to enter Geometry with Descriptive Statistics in Grade 9 and then accelerate directly into Algebra II with Inferential Statistics in Grade 10, thus providing them with an opportunity to take additional, specialized mathematics coursework, such as AP Calculus or AP Statistics.</p> <p>Alabama Mathematics Standards</p>
Course Objectives:	<p>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.</p>
Classroom Expectations:	<p>DMS Classroom Management Plan</p> <p>Classroom Rules and Procedures:</p> <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.
Wireless Communication Devices	<p>Effective July 1, 2025, the use, operation, or possession of Wireless Communications Devices, including but not limited to cellular telephones, tablet computers, laptop computers, pagers, gaming devices, smart watches, and earphones or headphones in school</p>

	<p>buildings or on school grounds during the Instructional Day, is prohibited.</p> <p>Violation of Board policy with respect to such use, operation, or possession of Wireless Communication Devices will constitute a Class II violation.</p>
Textbook:	<p>Reveal Algebra 1 by McGraw Hill</p> <p>Students can access the textbook through Schoology on the left hand side.</p>
Grading:	<p>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.</p>
Make-up Work:	<p>Under normal circumstances, it is expected that students will submit <u>previously</u> 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 2025-2026 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:	Requests for accommodations for this course or any school event are welcomed from students and parents.
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 will be used at the individual discretion of the teacher and should be brought to school daily.
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

36 Week Plan *Subject to Change	
Week	Unit
1	Rules and procedures / 7th Grade Review / Unit 1 – Pythagorean Theorem
2	Unit 1 – Pythagorean Theorem
3	Unit 1 – Pythagorean Theorem
4	Unit 2 – Equations
5	Unit 2 – Equations
6	Unit 2 – Equations
7	Unit 3 – Inequalities
8	Unit 3 – Inequalities
9	Unit 3 – Inequalities
10	Unit 4 – Scatter Plots / Two-Way Tables / Probability

11	Unit 4 – Scatter Plots / Two-Way Tables / Probability
12	Unit 4 – Scatter Plots / Two-Way Tables / Probability
13	Unit 5 – Functions
14	Unit 5 – Functions
15	Unit 5 – Functions
16	Unit 6 – Systems of Linear Equations and Inequalities
17	Unit 6 – Systems of Linear Equations and Inequalities
18	Unit 6 – Systems of Linear Equations and Inequalities
19	Unit 7 – Exponents
20	Unit 7 – Exponents
21	Unit 7 – Exponents
22	Unit 8 – Factoring Polynomials
23	Unit 8 – Factoring Polynomials
24	Unit 8 – Factoring Polynomials
25	Unit 8 – Factoring Polynomials
26	Unit 9 – Quadratics
27	Unit 9 – Quadratics
28	Unit 9 – Quadratics
29	Unit 9 – Quadratics
30	Unit 9 – Quadratics
31	Norm Project
32	Unit 10 – Sequences
33	Unit 10 – Sequences
34	Unit 10 – Sequences
35	Review for Finals
36	Finals

