



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>https://alex.state.al.us/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>Classroom Rules and Procedures:</p> <ol style="list-style-type: none">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. <ul style="list-style-type: none">-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.

	<ul style="list-style-type: none"> -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:	Reveal Algebra 1 by McGraw Hill
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 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:	Requests for accommodations for this course or any school event are welcomed from students and parents.

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.</p> <p>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 3. 4 count (Or more) of Expo markers (turn into teacher) 4. 12 Dividers 5. 2 packs of lined paper

36 Week Plan *Subject to Change	
Week	Unit
1	Unit 1 Equations
2	Unit 1 Equations

3	Unit 1 Equations
4	Unit 1 Equations/Unit 2 Pythagorean Theorem
5	Unit 2 Pythagorean Theorem
6	Unit 2 Pythagorean Theorem
7	Unit 3 Functions
8	Unit 3 Functions
9	Unit 3 Functions
10	Unit 4 Systems of Equations
11	Unit 4 Systems of Equations
12	Unit 4 Systems of Equations
13	Unit 5 Sequences
14	Unit 5 Sequences
15	Unit 5 Sequences
16	Unit 6 Data Analysis
17	Unit 6 Data Analysis
18	Midterms
19	Unit 7 Exponents
20	Unit 7 Exponents
21	Unit 7 Exponents
22	Unit 8 Polynomials
23	Unit 8 Polynomials
24	Unit 8 Polynomials
25	Unit 9 Factoring
26	Unit 9 Factoring

27	Unit 9 Factoring
28	Unit 10 Quadratics
29	Unit 10 Quadratics
30	Unit 10 Quadratics
31	Unit 10 Quadratics
32	Unit 11 Probability
33	Unit 11 Probability
34	Unit 11 Probability
35	Review of finals
36	Finals