Accelerated Math 8

Syllabus

Discovery Middle School
1304 Hughes Road
Madison, AL 35758

Teacher: Kelsey Brown
Email: kmbrown@madisoncity.k12.al.us
Class Webpage: https://www.madisoncity.k12.al.us/Domain/2590
Phone Number: 256-837-3735 ext. 82533

Course Description:	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. https://alex.state.al.us/standards
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:	Reveal Algebra 1 by McGraw Hill Students can access the textbook through Schoology on the left hand side.
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 will be used at the individual discretion of the teacher and should be brought to school daily.
Materials and Supplies:	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
2	Unit 1 Pythagorean Theorem
3	Unit 1 Pythagorean Theorem
4	Unit 1 Pythagorean Theorem
5	Unit 1 Pythagorean Theorem
6	Unit 2 Equations and inequalities
7	Unit 2 Equations and inequalities

8	Unit 2 Equations and inequalities
9	Unit 3 Functions
10	Unit 3 Functions
11	Unit 3 Functions
12	Unit 4 Systems of Equations
13	Unit 4 Systems of Equations
14	Unit 4 Systems of Equations
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 7 Exponents
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 Transformations and Systems of Linear and Quadratic
33	Unit 11 Transformations and Systems of Linear and Quadratic
34	Unit 12 Probability
35	Review of finals
36	Finals