**Accelerated Math 8** 

Syllabus

| Discovery Middle School | Teacher: | Josh Hamilton |
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| Madison, AL 35758 | Class Webpage: | https://www.madisoncity.k12.al.us/Domain/2300 |
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| **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](https://alex.state.al.us/standardAll.php?subject=MA2019&ccode=ACC-8&summary=3) |
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| **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:** | [DMS Classroom Management Plan](https://docs.google.com/document/d/135maZ9C_T_GDYihufxSDOer6GNYM1BSJ/edit?usp=sharing&ouid=111583846917663554431&rtpof=true&sd=true)  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.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Cell Phone Policy**  Cell phones and earbuds/headphones will not be allowed to be used during classroom instruction time. Phones and earbuds/headphones will be put away in a location designated by the teacher and placed in silent mode. In secondary schools, students will have access to their phones and earbuds/headphones outside of classroom instruction time, such as between classes and during lunch, but devices should be put away when students are in the lunch serving line. Failure to follow these procedures will result in a disciplinary referral to the office. |
| **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 2024-2025 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*** | |
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| **Week** | **Unit** |
| **1** | Rules and procedures |
| **2** | 7th Grade Review/Unit 1 Pythagorean Theorem |
| **3** | Unit 1 Pythagorean Theorem |
| **4** | Unit 2 Equations |
| **5** | Unit 2 Equations |
| **6** | Unit 3 Inequalities |
| **7** | Unit 3 Inequalities |
| **8** | Unit 4 Probability |
| **9** | Unit 4 Probability |
| **10** | Unit 5 Functions |
| **11** | Unit 5 Functions |
| **12** | Unit 5 Functions |
| **13** | Unit 6 Systems of Equations/Inequalities |
| **14** | Unit 6 Systems of Equations/Inequalities |
| **15** | Unit 6 Systems of Equations/Inequalities |
| **16** | Unit 7 Data Analysis (Scatter Plots and Two-Way Tables) |
| **17** | Unit 7 Data Analysis (Scatter Plots and Two-Way Tables) |
| **18** | Review for Midterms/Midterms |
| **19** | Unit 8 Exponents |
| **20** | Unit 8 Exponents |
| **21** | Unit 8 Exponents |
| **22** | Unit 8 Exponents |
| **23** | Unit 9 Factoring and Polynomials |
| **24** | Unit 9 Factoring and Polynomials |
| **25** | Unit 9 Factoring and Polynomials |
| **26** | Unit 9 Factoring and Polynomials |
| **27** | Unit 9 Factoring and Polynomials |
| **28** | Unit 10 Quadratics |
| **29** | Unit 10 Quadratics |
| **30** | Unit 10 Quadratics |
| **31** | Unit 10 Quadratics |
| **32** | Unit 10 Quadratics |
| **33** | Transformations of Functions/Norm Project |
| **34** | Unit 11 Sequences |
| **35** | Review of finals |
| **36** | Finals |