



Liberty Middle School
281 Dock Murphy Drive, Madison, Alabama 35758

Math Explore
Mrs. Morgan Blair-Leeth

Teacher Contact Information	Email: msblairleeth@madisoncity.k12.al.us Phone: 256-430-0001
Classroom Digital Platforms	Webpage Link: https://www.madisoncity.k12.al.us/Domain/2037 All materials used in class will be posted in Schoology.
Required Texts, and Other Instructional Materials	iReady: https://login.i-ready.com/ <i>Parents and guardians can access other supplementary materials through the Schoology platform.</i>
Textbook Information	There is no textbook for Math Explore. We work online and with manipulatives in class. Please bring a charged chromebook each day to class. Outlets are available in the classroom for charging. Many resource materials are also available in the classroom.
Course Description	<p>Math Explore offers 6th-8th graders the opportunity to explore a math topic of student choice in four two-week learning modules completed during this 9-weeks elective. An overview of some possible topics will be given in teacher mini-lessons during the first few days of the term and as needed at the beginning of module assignments. Students will choose topics they're interested in and may choose to go directly to their own pathway or participate in the teacher's mini-lessons during the first days of each module.</p> <p>Lessons will be inquiry-based explorations highlighting patterns and mathematical connections. Real-world applications of statistics and probability will be emphasized. The student will select pathways to explore further. Exploration may be in one or more of the Module Topics listed below in the Course Outline based on student level, or in other teacher-approved topics. Students will work individually or in pairs.</p> <p>A summary module (physical or digital) will be completed by each student as part of the discovery learning process for each two-week period. A minimum of four modules will be completed in the 9-weeks term.</p> <p>Since module participation is student-selected and all students come from varying levels, there is flexibility regarding the topics and depth of study. All projects must be approved by the teacher at the beginning of each module for the first check-in. The teacher is available to provide one-on-one direction as needed.</p>
Course Objectives	<ul style="list-style-type: none">• Demonstrate growth in mathematical understanding and skills outlined in the Alabama Math Course of Study.• Have fun exploring math!

Course Outline	<p>Introductory Module Topics may include:</p> <ol style="list-style-type: none"> 1. Operations with Rational Numbers (Fractions, Percents, Proportions) 2. Data Analysis (Collecting, Organizing, Graphical Representation) 3. Probability (Simple, Compound, Sample spaces) 4. Geometric Analysis using Geogebra, Pattern blocks, and 3D shapes (2D, 3D, Area, Perimeter, Volume, Transformations, Congruence, Similarity) 5. Family of Functions (Linear, Quadratic, Absolute Value, Exponential, Other) 6. Unit Circle (Right Triangles, Pythagorean Theorem, Trig Functions) 7. Algebraic Expressions and Equations
Classroom Expectations	<ol style="list-style-type: none"> 1. Cell phones must be powered down and in your backpack from 8:15 am - 3:20 pm. 2. Be seated and ready for class when the bell rings. Students tardy to class will receive a detention per LMS policy. 3. Come prepared for class. Bring all necessary supplies. 4. Respect your teacher, your classmates, and yourself. 5. If it's not yours, don't touch it. Keep your hands and feet to yourself. <p>All students must follow the Madison City Schools Code of Conduct.</p>
Technology & Cell Phone/Digital Device Procedures	<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, earphones or headphones in school buildings or on school grounds during the Instructional Day, is prohibited. Violation of Board policy with respect to such use, operation, or possession of Wireless Communication Devices will constitute a Class II violation. Madison City Schools has outlined an Electronic/Wireless Device Policy (Policy 6.20) on page 137 of the MCS Policy Manual.</p> <p>Students should bring their MCS chromebooks and chargers to class each day. Teachers monitor student activity and participation; however, students are responsible for their activity on school-issued devices and using their MCS accounts.</p>
Progressive Discipline (MCS Policy)	<p>Step 1: Verbal warning Step 2: Student/teacher conference and break detention Step 3: Parent contact/conference Step 4: Detention and a parent contact Step 5: Office referral</p>
Grading Policy (MCS Policy)	<p>60% = Assessments (Project Submissions and Presentations) 40% = Daily Grades (Project Check-Ins, Classwork)</p> <p>Grades will be a reflection of mastery of the standards. All work/steps must be shown to ensure full credit on any assignment. Without documentation showing how the problems were solved, credit may not be given, even if answers are correct. Grades are posted in PowerSchool.</p>
Late Work Policy	<p>All work is expected to be turned in complete and on time. If an extension is needed due to an extenuating circumstance, please work with the teacher to decide on an adjusted due date. Communication is required to secure all possible points if an assignment is to be turned in late. Late work should be turned in before the end of the term at the designated time for the teacher to</p>

	complete grading. Missed check-ins and project due dates could result in reduced points as indicated on the project rubric.
Make-up Work/Test Policy	Students with excused absences will be allowed to make-up all work within three days of returning to school. Assignments will be in the weekly folders on our class Schoology page; hard copies may be received in class upon return. It is the student's responsibility to turn in missing assignments and make up missed tests upon return after an absence. Students can work with a classmate or ask the teacher for help on assignments. Work that is not made up will become a zero (including check-ins and module project grades).
Technology	Students should bring their charged school-issued device and its charger to school each day. Student laptops should not be hard-wired to the network or have print capabilities. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops. Laptops will be used at the individual discretion of the teacher. We will have calculators in class for students to use.
Materials & Supplies	<p>Please see the 2025-2026 LMS Supply List here.</p> <p>Teacher Wish List:</p> <ul style="list-style-type: none"> • Kleenex (PRIORITY!) • Hand sanitizer (PRIORITY!) • Colored paper • Black Expo Markers (fine tip) • Pencils (Wooden, pre-sharpened)
Classwork	Students are expected to fully engage in class. Participate fully. Ask questions if you need assistance.
Parent & Student Acknowledgment Form	<p>Please complete the Syllabus Agreement Form acknowledging that you have fully read and understand each part of this syllabus. (This form must be completed <u>together</u> by both parent/guardian and student.)</p> <p>I am so excited to begin this new year with you! We are going to have a great year of learning and growing both as mathematicians and individuals. :)</p>