Renaissance Middle School

Grade 8 Mathematics Instructional Syllabus 2025-2026

RMS Course Syllabus	
Course Name	8th Grade Mathematics Renaissance Middle School
Teacher Name/Email	Ms. Randalson randalsons@fultonschools.org Mr. Knight knighth2@fultonschools.org Mr. Amar amarnathd@fultonschools.org Ms. Holmes HolmesD1@fultonschools.org
Textbook	SAVVAS Volume 1 and Volume 2
Course Description	In Grade 8 enhanced math, instructional time should regularly incorporate the 8 Mathematical Practices, the Framework for Statistical Reasoning, and the Mathematical Modeling Framework through three big ideas of content: (1) numerical reasoning, (2) patterning and algebraic reasoning, and (3) geometric and spatial reasoning. The fundamental purpose of Grade 6 mathematics is to formalize and extend the mathematics that students learned in the previous grades. The Mathematical Practices, Mathematical Modeling Framework and Framework for Statistical Reasoning apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Outline: (List all units of study)

Semester 1

-*Unit 1: Investigating Rational and Irrational numbers (13 days)*
-*Unit 2: Modeling Linear Relationships and Functions* (21 days)
-*Unit 3: Analyzing Systems of Linear Equations and Inequalities* (25 days)
-*Unit 4: Modeling and Analyzing Quadratic Equations* (25 days)

Semester 2

-*Unit 5: Modeling and Analyzing Exponential Functions* (25 days)
-*Unit 6: Investigating Data and Statistical Reasoning* (20 days)
-*Unit 7: Algebraic Connections to Geometric Concepts* (17 days)
-*Unit 8: Culminating capstone unit* (24 days)

Grading Weights			
	Midde School Courses	High School Courses	EOC Courses (2nd Semester)
Major Assessments (ex. Tests)	50%	55%	40%

Minor Assessments (ex. Quizzes)	40%	35%	30%
Practice (ex. Classwork)	10%	10%	10%
EOC			20%

Recovery on Major Assessments:
Students in K-12 should be afforded the opportunity to recover all major assessments if they score below 75% on the assessment. Students are limited to one recovery attempt per major assessment that meets the threshold for recovery.

- Recovery of a major assessment should occur before the next major is given.
- Students are eligible to earn a replacement grade on a recovery that is not higher than 75%.
- Before recovery, the teacher should work with the student to complete missing work and/or ensure delivery of the content through reteaching and relearning.
- If a student's recovery is below the original score, the original score should stand in the gradebook.
- The original score should be noted in the comment section of the grade book if a student recovers a major assessment.

Late Work:
Students are expected to submit all their work on time. Percentage points will be deducted from the assignment grade for late work. The maximum percentage that can be deducted for late work is 10%.

Responsible AI Use Encouraged with Teacher Permission:
Students are encouraged to use AI tools responsibly in this course with teacher permission to assist with their learning and assignments. AI can serve as an aid to enhance understanding and interaction with course content, within the boundaries of academic integrity. All AI-generated content must be accurately cited, and students are responsible for the correctness of their submissions, including any content derived from AI tools. It is essential to critically evaluate AI outputs to ensure they meet academic standards. Use of generative AI, without proper citation, is considered a violation of the Fulton County Schools Code of Conduct and may result in disciplinary action.

Please return the signed syllabus to the instructor before the end of week one for extra credit. Students will keep the syllabus in their AVID Notebook.

Student Name (Print)	
Student Signature	
Parent Signature	
Parent Email Address	
Parent Phone Number	