

School Year: Fall Semester 2020

Course Name	Mathematics 8A	Course	27.0230001-6	27.9230001C-2
		Code	27.0230001-5	27.2230001G-4
School Name	Henderson Middle School	Teacher	Ms. Erika Baker	
		Name		
School Phone	678-874-2902	Teacher	erika_baker@dekalbschoolsga.org	
Number		Email		
School	http://www.hendersonms.dekalb.k12.ga.us/	Teacher	https://msebakerr	mathclass.weebly.com/
Website		Website		

Course Description

The curriculum will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two and three dimensional space and figures using distance, angle similarity, and congruence; and understanding and applying the Pythagorean Theorem. By the end of 8th grade, students will be able to:

• Know that there are numbers that are not rational, and approximate them by rational numbers.

- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.
- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.
- Understand congruence and similarity using physical models, transparencies, or geometry software.
- Understand and apply the Pythagorean Theorem.
- Solve real world and mathematical problems involving volume of cylinders, cones and spheres.
- Investigate patterns of association in bivariate data.

Curriculum Overview

The following academic concepts will be covered. THIS IS ONLY A GUIDE AND IS SUBJECT TO CHANGE.

CURRICULUM OVERVIEW

https://www.georgiastandards.org/Common-Core/Pages/Math-9-12.aspx

Unit 1 – Transformations, Congruence, and Similarity	
Unit 2 – Exponents and Equations	
Unit 3 – Geometric Applications of Exponents	
Unit 4 – Functions	
Unit 5 – Linear Functions	
Unit 6 – Linear Models and Tables	
Unit 7 – Solving Systems of Equations	

BOARD-APPROVED INSTRUCTIONAL MATERIALS

Title	Carnegie Learning Mathematics Grade 8
ISBN	978-1-60972-181-7
Replacement Cost	\$17.00
Online book and/or resources	http://resources.carnegielearning.com/
Online student access code (school specific)	ТВА

GRADING SYSTEM: The DeKalb County School District believes that the most important assessment of student learning shall be conducted by the teachers as they observe and evaluate students in the context of ongoing classroom instruction. A variety of approaches, methodologies, and resources shall be used to deliver educational services and to maximize each student's opportunity to succeed. Teachers shall evaluate student progress, report grades that represent the student's academic achievement, and communicate official academic progress to students and parents in a timely manner through the electronic grading portal. **See Board Policy IHA**.

GRADING CATEGORIES		*GRADE PROTOCOL	
Formative Assessment (Pre-Assessment) – 0%	Α	90 – 100	
Assessment During Learning – 25%		80 – 89	
Guided, Independent, or Group Practice – 45%		71 – 79	
Summative Assessment or Assessment of Learning-		70	
30%	F	Below 70	

DISTRICT EXPECTATIONS FOR SUCCESS				
http://www.nctq.org/docs/Dekalb_Board_Policies.pdf				
STUDENT PROGRESS	Semester progress reports shall be issued four and a half, nine and thirteen and a half weeks into each semester. The progress of students shall be evaluated frequently and plans shall be generated to remediate deficiencies as they are discovered. Plans shall include appropriate interventions designed to meet the needs of the students. See Board Policy IH.			
ACADEMIC INTEGRITY	Students will not engage in an act of academic dishonesty including, but not limited to, cheating, providing false information, falsifying school records, forging signatures, or using an unauthorized computer user ID or password. See the Code of Student Conduct - Student Rights and Responsibilities and Character Development Handbook.			
HOMEWORK	Homework assignments should be meaningful and should be an application or adaptation of a classroom experience. Homework is at all times an extension of the teaching/learning experience. It should be considered the possession of the student and should be collected, evaluated and returned to the students. See Board Policy IHB.			
MAKE-UP WORK DUE TO ABSENCES	When a student is absent because of a legal reason as defined by Georgia law or when the absence is apparently beyond the control of the student, the student shall be given an opportunity to earn grade(s) for those days absent. Make-up work must be completed within the designated time allotted. See Board Policy IHEA.			
	SCHOOL EXPECTATIONS FOR SUCCESS			
CLASSROOM EXPECTATIONS	 NO CELL PHONES in the classroom unless they/re being used for instructional purposes. Come to class on time and prepared Follow direction the first time they are given Respect yourself and others at all times Use appropriate language Speak at appropriate times 			
MATERIALS AND SUPPLIES	 7. Bullying will not be tolerated 1. Three ring notebook 2. Notebook paper 3. #2 Pencils 4. Scientific Calculator 5. Graph Paper 6. Scientific Calculator 			
LATE WORK	 7. Dry Erase Expo Markers/Whiteboard (recommended) 8. Agenda Planner (recommended) 9. Tissues (upon returning to HMS) 10. Hand Sanitizer (upon returning to HMS) It is the expectation of this faculty that all assignments are completed for mastery. If an assignment is 			
EXTRA HELP	not submitted and/or does not meet the teacher's expectations, then the student must complete and /or re-do the assignment before the end of the current unit.			
	Wednesdays by appointment			
Virtual Learning Expectations	Online Class Meeting Expectations			
	learn. Pay attention to your background.			
	Mute your microphone			
	Wear earbuds or headset (if possible)			
	Unmute your microphone when it is your turn to speak			
	Respect privacy - no photo or video recordings allowed			
	We are still in class! Please speak, dress and act appropriately.			