Math for College Algebra Year at a Glance

Course # 1200710

CPALMS link to Benchmarks : https://www.cpalms.org/PreviewCourse/Preview/22459

Please Note: All standards in the state course description are designed to be learned by the end of the course. This guide represents recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course are best answered by the individual teacher.

Publisher Resource: HMH: College Algebra Fourth Edition (students have access thru their classlink account)

In the Mathematics for College Algebra Course, instructional time will emphasize five areas:

 (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions

(2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions

(3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts

(4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities

(5) extending knowledge of functions to include inverse and composition.

Estimated Pacing:

Quarter 1	Quarter 2
Chapter 0-Prerequisites and Review Chapter 1-Equations and Inequalities Chapter 2-Graphs	Chapter 2-Rational Numbers (cont'd) Chapter 3-Functions and Their Graphs Chapter 4-Polynomial and Rational Functions
Quarter 3	Quarter 4
Chapter 5-Exponential and Logarithmic Functions Chapter 6-Systems of Linear Equations and Inequalities Chapter 7-Matricies	Chapter 7-Matricies (cont'd) Chapter 8- Conics and Systems of Nonlinear Equations and Inequalities Chapter 9-Sequences, Series, and Probability