



Franklin County School
Mathematics for College Liberal Arts
Textbook: Thinking Mathematically (Cengage)
Course Code: 1207350

Semester 1	
Instructional Units & Standards Focus	
Quarter 1	Quarter 2
Unit 1 (Chapter 6 & 7)- Linear Equations, Functions, and Models Students extend their understanding of equations to include inequalities in one and two variables. MA.912.AR.2.5, MA.912.F.1.6	Unit 3 (Chapter 8): Personal Finance Students apply understanding of working with functions to financial literacy. MA.912.FL.3.1, MA.912.FL.3.2, MA.912.FL.3.4, MA.912.AR.4.4, MA.912.F.1.2, MA.912.F.1.3, MA.912.F.1.6
Unit 2 (Chapter 6& 7): Quadratic & Exponential Functions Students will apply previous understanding of rational number operations to add, subtract, multiply, and divide rational algebraic expressions. Students will write and solve one-variable rational equations and interpret the solutions as viable in terms of the context and identify any extraneous solutions. MA.912.AR.5.3, MA.912.AR.5.4, MA.912.AR.5.5, MA.912.AR.5.6, MA.912.F.1.6, MA.912.F.1.8	Unit 4 (Chapter 2 & 3): Set Theory & Logic Students will explore basic ideas of set theory, representing their learning both verbally and symbolically. Students will apply properties of set theory to solve problems. Students will develop an understanding of the fundamentals of propositional logic, arguments, and methods of proof. MA.912.LT.4.1, MA.912.LT.4.2, MA.912.LT.4.3, MA.912.LT.4.4, MA.912.LT.4.5, MA.912.LT.4.9, MA.912.LT.4.10, MA.912.LT.5.1, MA.912.LT.5.4, MA.912.LT.5.5, MA.912.LT.5.6



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Semester 2	
Instructional Units & Standards Focus	
Quarter 3	Quarter 4
Unit 6 (Chapter 9 & 10): Geometry Students will extend their geometric understanding of geometric theorems and proofs, congruence and similarity and dimensional display MA.912.GR.1.6, MA.912GR.2.4, MA.912.GR.4.3, MA.912.GR.4.4, MA.912.GR.4.5, MA.912.GR.4.6	Unit 8 (Chapter 11): Counting Methods & Probability Students will solve problems involving univariate and bivariate numerical data and use and interpret independence and probability MA.912.DP.4.1, MA.912.DP.4.2, MA.912.DP.4.3, MA.912.DP.4.4, MA.912.DP.4.5, MA.912.DP.4.6, MA.912.DP.4.7, MA.912.DP.4.8, MA.912.DP.4.9, MA.912.DP.4.10
Unit 7 (Chapter 10): Trigonometry Students will define and use trigonometric ratios, identities, or functions to solve problems. MA.912.T.1.2	Unit 8 (Chapter 12): Data Analysis Students will extend their understanding of data analysis and probability by working with categorical and numerical data with one and two variables. MA.912.DP.1.1, MA.912.DP.1.2, MA.912.DP.1.3, MA.912.DP.2.1, MA.912.DP.2.4, MA.912.DP.2.9