Algebraic Connections Pacing Guide 2017-2018
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	Unit Lessons	CCRS Objective(s)
Week 1	**Unit 1:** Solving Equations, Solving Literal Equations	#1
Week 2	**Unit 1:** Solving Inequalities	
Week 3	**Unit 1:** Applications of Equations & Inequalities (Direct, Inverse, Joint Variation)	
Week 4	Review & Test	
Week 5	**Unit 2:** Solving Systems of Equations	#2
Week 6	**Unit 2:** Solving Systems of Inequalities	
Week 7	**Unit 2:** Applications of Systems	
Week 8	Review & Test	
Week 9	**Unit 3:** Exponential Growth & Decay Formulas (Compound Interest & Bacteria Growth)	#3
Week 10	**Unit 3:** Exponential Growth & Decay Formulas (Depreciation)	
Week 11	Review & Test	
Week 12	**Unit 4:** Graphing Linear Functions, Equations of Lines	#4
Week 13	**Unit 4:** Line of Best Fit Application Problems	
Week 14	**Unit 4:** Graphing Linear Inequalities	
Week 15	**Unit 4:** Applications of Linear Functions/Inequalities (Finding max/min values)	
Week 16	Review & Test	
Week 17	Semester Exam Review	
Week 18	Semester Exam	
Week 19	**Unit 5:** Rates of Change (Non-Linear)	#5, #6
Week 20	**Unit 5:** Factoring & Solving Quadratic Equations	
Week 21	**Unit 5:** Graphing Quadratic Functions	
Week 22	**Unit 5:** Applications of Quadratics	
Week 23	Review & Test	
Week 24	**Unit 6:** Percents, Sales Tax and Discounts	#7
Week 25	**Unit 6:** Simple Interest, Compound Interest	
Week 26	**Unit 6:** Installment Loans & Mortgages	
Week 27	**Unit 6:** Mix Review of Personal Finance Problems	

Week 28	Review & Test	
Week 29	**Unit 7:** Right Triangle Trig & Pythagorean Theorem	#8, #9, #10, #11
Week 30	**Unit 7:** Applications of Right Triangles	
Week 31	**Unit 7:** Area Formulas, Symmetry & Measurement	
Week 32	**Unit 7:** Circles & Application	
Week 33	**Unit 7:** Volume Formulas & Application	
Week 34	Review & Test	
Week 35	Semester Exam Review	
Week 36	Semester Exam	

***For a list of the Algebraic Connection State Objectives, see pages 94-95 of the 2016 Alabama Course of Study (click here).