



2014 – 2015 Pacing Guide  
CCGPS Coordinate Algebra – 1<sup>st</sup> Semester Course  
*Standards for Mathematical Practice (SMPs)*



1. Make sense of problems and persevere in solving them.		5. Use appropriate tools strategically.	
2. Reason abstractly and quantitatively.		6. Attend to precision.	
3. Construct viable arguments and critique the reasoning of others.		7. Look for and make use of structure.	
4. Model with mathematics.		8. Look for and express regularity in repeated reasoning.	
No. of Days	Suggested Dates	Topics	Standards
10	Aug. 7 – 20	<b>Unit 1 - Relationships Between Quantities</b> Reason quantitatively and use units to solve problems. Interpret the structure of expressions. Create equations that describe numbers or relationships.	MCC9-12.N.Q.1, 2, 3 MCC9-12.A.SSE.1a,b MCC9-12.A.CED.1, 2, 3, 4
11	Aug. 21 – Sept. 5	<b>Unit 2 - Reasoning with Equations and Inequalities</b> Understand solving equations as a process of reasoning and explain the reasoning. Solve equations and inequalities in one variable. Solve systems of equations. Represent and solve equations and inequalities graphically.	MCC9-12.A.REI.1 MCC9-12.A.REI.3 MCC9-12.A.REI.5 MCC9-12.A.REI.6 MCC9-12.A.REI.12
18	Sept. 8 – Oct. 3	<b>Unit 3 - Linear and Exponential Functions</b> Represent and solve equations and inequalities graphically. Understand the concept of a function and use function notation. Interpret functions that arise in applications in terms of the context. Analyze functions using different representations. Build a function that models a relationship between two quantities. Build new functions from existing functions. Construct and compare linear and exponential models and solve problems. Interpret expressions for functions in terms of the situation they model	MCC9-12.A.REI.10 MCC9-12.A.REI.11 MCC9-12.F.IF.1, 2, 3, 4, 5, 6 MCC9-12.F.IF.7a,e MCC9-12.F.IF.9 MCC9-12.F.BF.1a,b MCC9-12.F.BF.2 MCC9-12.F.BF.3 MCC9-12.F.LE.1a,b,c MCC9-12.F.LE.2 MCC9-12.F.LE.3 MCC9-12.F.LE.5
15	Oct. 6 – Oct. 24	<b>Unit 4 - Describing Data</b> Summarize, represent, and interpret data on a single count or measurement variable. Summarize, represent, and interpret data on two categorical and quantitative variables. Interpret linear models.	MCC9-12.S.ID.1 MCC9-12.S.ID.2 MCC9-12.S.ID.3 MCC9-12.S.ID.5 MCC9-12.S.ID.6a,b,c MCC9-12.S.ID.7 MCC9-12.S.ID.8 MCC9-12.S.ID.9
9	Nov. 3 – 14	<b>GOFAR Benchmarks High School – Testing Window</b>	
12	Oct. 27 – Nov. 12	<b>Unit 5 - Transformations in the Coordinate Plane</b> Experiment with transformations in the plane.	MCC9-12.G.CO.1 MCC9-12.G.CO.2 MCC9-12.G.CO.3 MCC9-12.G.CO.4 MCC9-12.G.CO.5
9	Nov. 13 – Nov. 25	<b>Unit 6 - Connecting Algebra and Geometry Through Coordinates</b> Use coordinates to prove simple geometric theorems algebraically	MCC9-12.G.GPE.4 MCC9-12.G.GPE.5 MCC9-12.G.GPE.6 MCC9-12.G.GPE.7
9	Nov. 17 – Dec. 2	<b>Georgia Milestones – EOC Review &amp; Preparation</b>	
	<b>Dec. 3, 2014</b>	<b>Georgia Milestones Winter – Coordinate Algebra EOC</b>	