Itawamba County School District
Algebra I Pacing Guide

		First Term Block Schedule	
MS-FW Competency #	DOK	Algebra I Mississippi Mathematics Framework Objectives	Date Taught
1a	1	Apply properties of real numbers to simplify algebraic expressions, including polynomials.	
1b	2	Use matrices to solve mathematical situations and contextual problems.	
2a	2	Solve, check, and graph multi-step linear equations and inequalities in one variable, including rational coefficients in mathematical and real-world situations.	
2c	2	Analyze the relationship between x and y values, determine whether a relation is a function, and identify domain and range.	
4a	2	Solve real-world problems involving formulas for perimeter, area, distance, and rate.	
5a	3	Draw conclusions and make predictions from scatter plots.	
October 2 - 5	1st Cumulative Benchmark (covering all content through day 36)		
2b	2	Solve and graph absolute value equations and inequalities in one variable.	
2d	2	Explain and illustrate how a change in one variable may result in a change in another variable and apply to the relationships between independent and dependent variables.	
2e	2	Graph and analyze linear functions.	
2f	2	Use algebraic and graphical methods to solve systems of linear equations and inequalities in mathematical and real-world situations.	

2k	2	Graph absolute value functions (note: This only part of 2k)	
2l	2	Write, graph, and analyze inequalities in two variables.	
3a	2	Apply the concept of slope to determine if lines in a plane are parallel or perpendicular.	
3b	2	Solve problems that involve interpreting slope as a rate of change.	
4b	2	Explain and apply the appropriate formula to determine length, midpoint, and slope of a segment in a coordinate plane.	

		Second Term Block Schedule	
MS-FW Competency #	DOK	Algebra I Mississippi Mathematics Framework Objectives	Date Taught
2g	1	Add, subtract, multiply, and divide polynomial expressions.	
2h	1	Factor polynomials by using Greatest Common Factor (GCF) and factor quadratics that have only rational roots.	
2j	2	Justify why some polynomials are prime over the rational number system.	
4c	2	Represent polynomial operations with area models.	
2i	1	Determine the solutions to quadratic equations by using graphing, tables, completing the square, the Quadratic formula, and factoring.	
2k	2	Graph and analyze absolute value and quadratic functions.	
5b	3	Use linear regression to find the line-of-best fit from a given set of data.	
December 2 - 5	End of Term Cumulative Benchmark		
December 10 – 14	SATP 2 Test		