



Brookhaven School District
Pacing Guide
Algebra I

1 st Semester		
Timeline	Unit/Topic	Standards
6 days (Algebraic Expressions and Operations)	-Seeing Structure in Expressions	HSA-SSE.A.1a, 1b, 2
10 days (Equations and Inequalities)	-Creating Equations -Reasoning with Equations and Inequalities -Quantities	HSA-CED.A.1 HSA-REI.A.1;HSA-REI.B.3 HSN-Q.A.1, 2
4 days (Absolute Value)	-Creating Equations -Reasoning with Equations and Inequalities	HSA-CEDA.1 HSA-REI.A.1
10 days (Functions)	-Building Functions	HSF-BF.A.1; HSF-BF.B.3 HSF-IF.A.1, 2, 3, HSF-IF.B.5 HSF-LE.A.1, 2, 3; HSF-LE.B.5
10 days (Linear Functions and Inequalities)	-Creating Equations -Interpreting Functions -Interpreting Categorical and Quantitative Data -Reasoning with Equations and Inequalities -Quantities	HSA-CED.A.4, 2 HSF-IF.B.6, HSF-IF.C.7a(linear functions only), HSF-IF.B.4 *HSS-ID.B.5, 6; HSS-ID.C.7,8,9 HSA-REI.D.10, 12 HSN-Q.A.1,2
		* Can choose to teach after PBA
10 days (Systems of Equations and Inequalities)	-Creating Equations -Reasoning with Equations and Inequalities	HSA-CED.A.3 HSA- REI.C.5, 6; HSA- REI.D.11,12

2 nd Semester		
Timeline	Unit/Topic	Standards
10 days (Linear and Exponential Relationships/Functions)	-Interpreting Functions -Building Functions -Linear, Quadratic, and Exponential Models -Seeing Structure in Expressions	HSF-IF.A.3; HSF-IF.B.6, 4, 5; HSF-IF.C.7a, 7b, 8, 9; HSF-BF.A.1a; HSF-BF.B.3 HSF-LE.A.1a, 1b, 1c, 2, 3; HSF-LE.B.5; HSA-SSE.3c
10 days (Polynomials)	-Arithmetic with Polynomials and Rational Expressions -Seeing Structure in Expressions -The Real Number System	HSA-APR.1, 3; HSA-SSE.2; HSN-RN.3
12 days (Quadratic Functions)	-Reasoning with Equations and Inequalities -Seeing Structure in Expressions -Interpreting Functions	HSA-REI.4; D.11 HSA-SSE.3a, 3b; HSF-IF.7, 8, 9, 6 (quadratic only)
10 days Other Functions: Square Root, Cubed Root, Piecewise Defined (Step and Absolute Value)	-Interpreting Functions -Reasoning with Equations and Inequalities	HSF-IF.C.7b; HSF-IF.B.6 HSA-REI.D.11
2 review days 3 exam days TOTAL = 45 days		
After PBA		
Timeline	Unit/Topic	Standards
10 days (Statistics)	Interpreting Categorical and Quantitative Data	HSS-ID.A.1, 2, 3