## COMMUNITY SCHOOLS

## Algebra I Pacing Guide First Semester

| $1^{\text {st }}$ Quarter | TN Standards | Lesson Focus | Additional Notes |
| :---: | :---: | :---: | :---: |
| Sec 0-2 \& Chapter 1 3 weeks | N-RN.3, A-SSE.1, A-SSE.2, A-CED.1, A-REI.1, A-REI.3, A-REI.10, F-BF.1, F-IF.1, F-IF.2, F-IF.5, F-IF. 9 | Sec 0-2: Real Numbers <br> Sec 1-1: Variables and Expressions <br> Sec 1-2: Order of Operations <br> Sec 1-3: Properties of Numbers <br> Sec 1-4: The Distributive Property <br> Sec 1-5: Equations <br> Sec 1-6: Relations <br> Sec 1-7: Functions |  |
| Chapter 2 3 weeks | A-CED.1, A-REI.1, A-REI.3, N-Q.1, N-Q.2, N-Q.3, A-CED. 4 | Sec 2-1: Writing Equations <br> Sec 2-3: Solving Multi-Step Equations <br> Sec 2-4: Solving Equations with the Variable on Each Side <br> Sec 2-5: Solving Equations Involving Absolute Value <br> Sec 2-6: Ratios and Proportions <br> Sec 2-7: Percent of Change <br> Sec 2-8: Literal Equations and Dimensional Analysis |  |
| Chapter 5 2 weeks | A-CED.1, A-REI. 3 | Sec 5-3: Solving Multi-Step Inequalities Sec 5-4: Solving Compound Inequalities Sec 5-5: Inequalities Involving Absolute Value |  |
| Chapter 3 1 week | A-CED.2, A-REI.10, F-BF.1, F-IF.4, F-IF.7, A-CED. 1 | Sec 3-1: Graphing Linear Equations <br> Sec 3-2: Solving Linear Equations by Graphing |  |
| End of $1^{\text {st }}$ Quarter | District Q1 CFA |  |  |
| Fall Break |  |  |  |
| $2^{\text {nd }}$ Quarter | TN Standards | Lesson Focus | Additional Notes |
| Chapter 3 3 weeks | F-IF.6, F-LE.1, A-CED.2, A-REI.10, F-BF.1, F-IF.4, F-IF.7, A-CED.1, F-LE.5, F-IF.3, F-LE.2, F-IF. 9 | Sec 3-3: Rate of Change and Slope <br> Sec 3-4: Direct Variation <br> Sec 3-5: Arithmetic Sequences as Linear Functions <br> Sec 3-6: Proportional and Non-Proportional Relationships |  |

## ARLINGT@N

## COMMUNITY SCHOOLS

| Chapter 4 3 weeks | A-CED.2, A-CED.4, F-IF.7, F-LE.5, F-BF.1, S-ID.7, A-CED.3, A-REI.12, F-LE.2, F-IF.2, F-IF.9, N-Q.1, S-ID.6, S-ID.7, S-ID. 8 | Sec 4-1: Graphing Equations in Slope Intercept Form <br> Sec 4-2: Writing Equations in Slope-Intercept Form <br> Sec 4-3: Writing Equations in Point-Slope Form <br> Sec 4-4: Parallel and Perpendicular Lines <br> Sec 4-5: Scatter Plots and Trend Lines <br> Sec 4-6: Regression and Median-Fit Lines <br> Sec 4-7: Special Functions |  |
| :---: | :---: | :---: | :---: |
| Chapter 6 <br> 3 weeks | A-CED.2; A-CED.3; A-REI.6; A-REI.11, A-REI.5, AREI.11; A-REI. 12 | Sec 6.1: Graphing Systems of Equations <br> Sec 6.2: Substitution <br> Sec 6.3: Elimination Using Addition and Subtraction <br> Sec 6.4: Elimination Using Multiplication <br> Sec 5.6: Graphing Inequalities in Two Variables <br> Sec 6.8: Systems of Inequalities |  |
| End of $\mathbf{2}^{\text {nd }}$ Quarter |  |  |  |
| End of $1^{\text {st }}$ Semester |  | nester Exam |  |
|  |  | inter Break |  |
|  | Algebra I Pac | Guide Second Semester |  |
| $3^{\text {rd }}$ Quarter | TN Standards | Lesson Focus | Additional Notes |
| Chapter 7 <br> 4 weeks | A-SSE.2, F-IF.8, A-APR.1, A-SSE. 1 | Sec 7-1: Multiplying Monomials <br> Sec 7-2: Dividing Monomials <br> Sec 7-3: Scientific Notation <br> Sec 7-5: Adding and Subtracting Polynomials <br> Sec 7-6: Multiplying a Polynomial by a Monomial <br> Sec 7-7: Multiplying Polynomials <br> Sec 7-8: Special Products |  |
| Chapter 8 <br> 4 weeks | A-SSE.2, A-SSE.3, A-CED.2, A-REI.1, A-REI. 4 | Sec 8-1: Monomials and Factoring <br> Sec 8-2: Using the Distributive Property <br> Sec 8-3: Quadratic Equations: $x^{2}+b x+c=0$ <br> Sec 8-4: Quadratic Equations: $a x^{2}+b x+c=0$ <br> Sec 8-5: Quadratic Equations: Differences of Squares <br> Sec 8-6: Quadratic Equations: Perfect Squares |  |

## ARLINGT@N

COMMUNITY SCHOOLS


