

The following is a table of contents and a pacing guide. If you follow this table of contents, you will have covered all of the CCSS. The pacing guide accounts for 173 days. We know that there are days built into your schedule throughout the school year for things such as seating charts, classroom rules, distributing books, diagnostic testing, standardized test preparation, assemblies, field trips, midterms, final exams, etc. Therefore, you are going to have to make some decisions on what you will cover before the standardized tests are administered.

**Unit 1 – Pre-Algebra (21 Days)**

**Common Core State Standard(s)**

- |                            |                                   |
|----------------------------|-----------------------------------|
| 1–1 Language of Algebra    | - A.SSE.1 and prepares for N.RN.3 |
| 1–2 Rational Operations    | - N.RN.3                          |
| 1–3 Exponents/Square Roots | - N.RN.2                          |
| 1–4 Order of Operations    | - A.SSE.1                         |
| 1–5 Combining Terms        | - N.RN.2, A.SSE.1.a               |
| 1–6 Distributive Property  | - A.SSE.1.a                       |

**Unit 2 – Solving Linear Equations (17 Days)**

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|------------------------------|--|
| 2–1 One-Step Equations       | - A.CED.1, A.REI.1, A.REI.3                        |
| 2–2 Multi-Step Equations     | - N.Q.1, N.Q.2, A.CED.1, A.CED.3, A.REI.1, A.REI.3 |
| 2–3 Writing Equations        | - A.CED.1, A.REI.1, A.REI.3                        |
| 2–4 Variables on Both Sides  | - A.CED.1, A.REI.1, A.REI.3                        |
| 2–5 Multi-Variable Equations | - N.Q.1, N.Q.2, A.CED.4                            |

**Unit 3 – Relations/Functions (22 Days)**

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|-----------------------------|--|
| 3–1 Coordinate Plane        | - Prepares for A.SSE.2   |
| 3–2 Relations               | - F.IF.1, F.BF.4   |
| 3–3 Linear Equations        | - A.SSE.1.b, A.CED.2, F.IF.5, F.BF.1, F.BF.1.a, F.BF.1.b, F.BF.2, F.LE.2 |
| 3–4 Functions               | - F.IF.2, F.IF.4, F.IF.7, F.IF.7.b                                       |
| 3–5 Equations from Patterns | - F.IF.3, F.BF.1, F.BF.1.a, F.BF.1.b, F.BF.2, F.LE.2                     |

**Unit 4 – Analyzing Linear Equations (21 Days)**

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|----------------------------------|--|
| 4–1 Slope                        | - F.IF.6, F.LE.1.b   |
| 4–2 Slope Intercept Equation     | - A.SSE.2, A.CED.2, A.REI.10, F.IF.7, F.IF.7.a, F.IF.9, F.BF.3, F.BF.4.a, F.LE.5 |
| 4–3 Point Slope Equation         | - A.SSE.2, A.CED.2, A.REI.10, F.IF.7, F.IF.7.a, F.IF.9, F.BF.3, F.LE.5           |
| 4–4 Parallel/Perpendicular Lines | - Prepares for G.GPE.5   |
| 4–5 Scatter Plots                | - S.ID.6.a, S.ID.6.b, S.ID.6.c, S.ID.7, S.ID.8, S.ID.9                           |

### **Unit 5 – Inequalities (18 Days)**

- 5–1 One/Two Step Inequalities
- 5–2 Multi-Step Inequalities
- 5–3 Compound Inequalities
- 5–4 Absolute Value Inequalities
- 5–5 Graphing Two Variable Inequalities

### **Common Core State Standard(s)**

- A.CED.1, A.REI.3
- A.CED.1, A.REI.3
- A.CED.1, A.REI.3
- A.SSE.1, A.SSE.1.b, A.CED.1
- A.REI.12

### **Unit 6 – Systems (20 Days)**

- 6–1 Graphing Systems of Equations
- 6–2 Substitution
- 6–3 Adding/Subtracting
- 6–4 Multiplication
- 6–5 Graphing Systems of Inequalities

- N.Q.3, A.CED.3, A.REI.6, A.REI.7, A.REI.11
- A.CED.3, A.REI.5, A.REI.7
- A.CED.3, A.REI.7
- A.CED.3, A.REI.5, A.REI.7
- A.CED.3, A.REI.7

### **Unit 7 – Polynomials (16 Days)**

- 7–1 Naming Polynomials
- 7–2 Adding/Subtracting Polynomials
- 7–3 Multiplying Monomials
- 7–4 Dividing Monomials
- 7–5 Multiplying (Monomial by Poly)
- 7–6 Multiplying Polynomials
- 7–7 Special Products

- Prepares for A.APR.1
- N.RN.1, A.APR.1
- N.RN.1, A.APR.1
- N.RN.1
- A.APR.1
- A.APR.1
- A.APR.1

### **Unit 8 – Factoring (18 Days)**

- 8–1 LCM/GCF
- 8–2 Factor:  $x^2 + bx + c$
- 8–3 Factor:  $ax^2 + bx + c$
  
- 8–4 Difference of Two Squares
- 8–5 Perfect Square Factoring

- F.IF.8.a
- A.SSE.3, A.SSE.3.a, A.REI.4, F.IF.8.a
- A.SSE.2, A.SSE.3, A.SSE.3.a, A.REI.4, F.IF.8.a
- A.REI.4, A.REI.4.b
- A.REI.4, A.REI.4.b

### **Unit 9 – Data Analysis (20 Days)**

- 9–1 Central Tendencies
- 9–2 Stem-and-Leaf Plots
- 9–3 Box-and-Whisker Plots
- 9–4 Graphs: Bar, Line, Circle
- 9–5 Probability

- S.ID.2, S.ID.3
- S.ID.2
- S.ID.1
- S.ID.1
- S.CP.1, S.CP.2