


# ALGEBRA 1 HONORS 2015-2016

Monday	Tuesday	Wednesday	Thursday	Friday
<b>17 August</b> Begin 1 <sup>st</sup> 9 Weeks Classroom Rules/Procedures & Review MS Statistics	<b>18</b> Review MS Statistics	<b>19</b> 10.1 Analyze Surveys and Samples	<b>20</b> 10.2 Use Measures of Central Tendency and Dispersion	<b>21</b> 10.3 Analyze Data 
<b>Unit A: Data Analysis</b>				
<b>24</b> 10.4 Interpret Stem-and-Leaf Plots and Histograms	<b>25</b> 10.5 Interpret Box-and-Whisker Plots	<b>26</b> 10.5 Extension: Analyze Data Distribution	<b>27</b> Review, Reteach, Enrich (Unit A)	<b>28</b> Assessment – FSQ (Unit A)
<b>Unit A: Data Analysis</b>				
<b>31</b> 1.1 Evaluate Expressions	<b>1 September</b> 1.2 Apply Order of Operations	<b>2</b> 1.3 Write Expressions	<b>3</b> 1.4 Write Equations and Inequalities	<b>4</b> Review, Reteach, Enrich
<b>Unit B: Expressions, Equations and Functions</b>				
<b>7</b> <b>HOLIDAY</b>	<b>8</b> 1.5 Use a Problem Solving Plan	<b>9</b> 1.6 Use Precision and Measurement	<b>10</b> 1.7 Represent Funct as Rules & Tables	<b>11</b> 1.8 Represent Functions as Graphs
<b>Unit B: Expressions, Equations and Functions</b>				
<b>14</b> <b>HOLIDAY</b>	<b>15</b> Review, Reteach, Enrich (Unit B)	<b>16</b> Assessment – FSQ (Unit B)	<b>17 LTM/PDD</b> 2.1 Find Square Roots and Compare Real Numbers	<b>18</b>
<b>Unit B: Expressions, Equations and Functions</b>			<b>Unit C: Solving Linear Equations</b>	
<b>21</b> 2.2 Solve One-Step Equations	<b>22</b> 2.3 Solve Two-Step Equations	<b>23</b> <b>HOLIDAY</b>	<b>24</b> 2.4 Solve Multi-Step Equations	<b>25</b> Review, Reteach, Enrich
<b>Unit C: Solving Linear Equations</b>			<b>Unit C: Solving Linear Equations</b>	
<b>28</b> 2.5 Solve Equation w/Variables on Both Sides	<b>29</b> 2.5 Extension: Apply Properties of Equality	<b>30</b> 2.6 Write Ratios and Proportions	<b>1 October</b> 2.7 Solve Proportions Using Cross Products	<b>2</b> 2.8 Rewrite Equations and Formulas
<b>Unit C: Solving Linear Equations</b>				
<b>5</b> Review, Reteach, Enrich (Units A-C)	<b>6</b> Unit Standard Assessment (Units A-C)	<b>7</b> Review, Reteach, Enrich	<b>8 LTM/PDD</b> 3.1 Plot Points in a Coordinate Plane	<b>9</b>
<b>Unit D: Graphing Linear Equations and Functions</b>			<b>Unit D: Graphing Linear Equations</b>	
<b>12</b> 3.2 Graph Linear Equations	<b>13</b> 3.2 Extension: Identify Discrete and Continuous Functions	<b>14</b> Review, Reteach, Enrich	<b>15</b> 3.3 Graph Using Intercepts	<b>16</b> 3.4 Find Slope and Rate of Change
<b>Unit D: Graphing Linear Equations and Functions</b>				
<b>19</b> 3.4 Part 2: Interpreting Linear Models	<b>20 LTM/PDD</b> 3.5 Graph Using Slope-Intercept Form	<b>21</b>	<b>22</b> 3.5 Extension: Solve Linear Equations Graphing	<b>23</b> <b>Teacher Work Day</b>
<b>Unit D: Graphing Linear Equations and Functions</b>				



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<b>26 October</b> Begin 2 <sup>nd</sup> 9 Weeks 3.6 Model Direct Variation	<b>27</b> 3.7 Graph Linear Functions	<b>28</b> Review, Reteach, Enrich (Unit D)	<b>29</b> Assessment – FSQ (Unit D)	<b>30</b> 4.1 Write Linear Equations in Slope-Intercept Form
Unit D: Graphing Linear Equations and Functions				Unit E: Writing
<b>2 November</b> 4.2 Use Linear Equations in Slope-Intercept Form	<b>3</b> 4.3 Write Linear Equations in Point-Slope Form	<b>4</b> Review, Reteach, Enrich	<b>5 LTM</b>	<b>6</b> 4.3 Extension: Relate Arithmetic Sequences to Linear Functions
Unit E: Writing Linear Equations				
<b>9</b> 4.4 Write Linear Equations in Standard Form	<b>10</b> 4.6 Fit a Line to Data	<b>11</b> <b>HOLIDAY</b>	<b>12</b> 4.6 Part 2: Correlation 	<b>13</b> Review, Reteach, Enrich
Unit E: Writing Linear Equations		Unit E: Writing Linear Equations		
<b>16</b> <b>Teacher Work Day</b>	<b>17</b> 4.7 Predict with Linear Models	<b>18</b> 4.7 Extension: Assess the Fit of a Model	<b>19</b> Review, Reteach, Enrich (Units D-E)	<b>20</b> Unit Standard Assessment (Units D-E)
Unit E: Writing Linear Equations				
<b>23</b> Review, Reteach, Enrich	<b>24</b> 5.1 Solve Inequalities Using Addition and Subtraction	<b>25</b> <b>HOLIDAY</b>	<b>26</b> <b>HOLIDAY</b>	<b>27</b> <b>HOLIDAY</b>
Unit F: Solving and				
<b>30</b> 5.2 Solve Inequalities Using Multiplication and Division	<b>1 December</b> 5.3 Solve Multi-Step Inequalities	<b>2</b> 5.4 Solve Compound Inequalities	<b>3</b> Review, Reteach, Enrich (Unit F: 5.1-5.4 Only)	<b>4</b> Assessment – FSQ (Unit F: 5.1-5.4 Only)
Unit F: Solving and Graphing Linear Inequalities				
<b>7</b> Midterm Exam Review (Units A – F 5.4)	<b>8</b> Midterm Exam Review (Units A – F 5.4)	<b>9</b> Midterm Exam Review (Units A – F 5.4)	<b>10 LTM</b> Midterm Exam Review (Units A – F 5.4)	<b>11</b> Midterm Exam Review (Units A – F 5.4)
<b>14</b> Midterm Exam Review (Units A – F 5.4)	<b>Midterm Exams (Units A – F 5.4)</b>			
<b>21</b> <b>HOLIDAY</b>	<b>22</b> <b>HOLIDAY</b>	<b>23</b> <b>HOLIDAY</b>	<b>24</b> <b>HOLIDAY</b>	<b>25</b> <b>HOLIDAY</b>
<b>28</b> <b>HOLIDAY</b>	<b>29</b> <b>HOLIDAY</b>	<b>30</b> <b>HOLIDAY</b>	<b>31</b> <b>HOLIDAY</b>	<b>1 January</b> <b>HOLIDAY</b>

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Monday	Tuesday	Wednesday	Thursday	Friday
<b>4 January</b> <b>Teacher Work Day</b>	<b>5 Begin 3<sup>rd</sup> 9 Weeks</b> 5.5 Solve Absolute Value Equations	<b>6</b> 5.5 Extension: Graph Absolute Value Functions	<b>7</b> 5.6 Solve Absolute Value Inequalities	<b>8</b> 5.7 Graph Linear Inequalities in Two Variables
<b>Unit F: Solving and Graphing Linear Inequalities</b>				
<b>11</b> Review, Reteach, Enrich (Unit F)	<b>12 Assessment – FSQ (Unit F)</b>	<b>13</b> 6.1 Solve Linear Systems by Graphing	<b>14</b> 6.2 Solve Linear Systems by Substitution	<b>15</b> Review, Reteach, Enrich
<b>Unit F: Solving and Graphing Linear</b>		<b>Unit G: Systems of Equations and Inequalities</b>		
<b>18</b> <b>HOLIDAY</b>	<b>19</b> 6.3 Solve Linear Systems by Adding or Subtracting	<b>20</b> 6.4 Solve Linear Systems by Multiplying First	<b>21</b> 6.5 Solve Special Types of Linear Systems	<b>22</b> Review, Reteach, Enrich
<b>Unit G: Systems of Equations and Inequalities</b>				
<b>25</b> 6.5 Extension: Use Piecewise Functions	<b>26</b> 6.6 Solve Systems of Linear Inequalities	<b>27</b> Review, Reteach, Enrich (Unit G)	<b>28</b> <b>Assessment – FSQ (Unit G)</b>	<b>29</b> 7.1 Apply Exponent Properties Involving Products
<b>Unit G: Systems of Equations and Inequalities</b>				<b>Unit H: Exponents</b>
<b>1 February</b> 7.2 Apply Exponent Properties Involving Quotients	<b>2</b> 7.3 Define and Use Zero and Negative Exponents	<b>3</b> 7.3 Extension: Define and Use Fractional Exponents	<b>4 LTM/PDD</b> Review, Reteach, Enrich	<b>5</b> 7.4 Write and Graph Exponential Growth Functions
<b>Unit H: Exponents and Exponential Functions</b>				
<b>8</b> 7.5 Write and Graph Exponential Decay Functions	<b>9</b> 7.5 Part 2: Comparing Linear and Exponential Functions	<b>10</b> Review, Reteach, Enrich	<b>11</b> 7.5 Extension A: Relate Geometric Sequences to Exponential Funct	<b>12</b> 7.5 Extension B: Define Sequences Recursively
<b>Unit H: Exponents and Exponential Functions</b>				
<b>15</b> <b>TEACHER WORK DAY</b>	<b>16</b> 7.5 Part 3: Translate Between Recursive & Explicit Rules for Sequences	<b>17</b> Review, Reteach, Enrich (Units F-H)	<b>18</b> <b>Unit Standard Assessment (Units F-H)</b>	<b>19</b> Review, Reteach, Enrich
<b>22</b> 8.1 Add and Subtract Polynomials	<b>23 LTM/PDD</b>	<b>24</b> 8.2 Multiply Polynomials	<b>25</b> 8.2 Pt 2: Perform Operations with Functions	<b>26</b>
<b>Unit I: Polynomials and Factoring</b>				
<b>29 FSA Writing</b> 8.2 Part 3: Modeling with Combined Functions	<b>1 March FSA Writing</b> 8.3 Find Special Products of Polynomials	<b>2 FSA Writing</b> 8.3 Pt 2: Investigate Polys and Closure	<b>3 FSA Writing</b> Review, Reteach, Enrich	<b>4 FSA Writing</b> 8.4 Solve Poly Eqs in Factored Form
<b>Unit I: Polynomials and Factoring</b>				
<b>7</b> 8.5 Factor $x^2+bx+c$	<b>8</b> 8.6 Factor $ax^2+bx+c$	<b>9</b>	<b>10</b> Review, Reteach, Enrich	<b>11</b> 8.7 Factor Special Products
<b>Unit I: Polynomials and Factoring</b>				
<b>14 (Day 1)</b> 8.8 Factor Polynomials Completely	<b>15 (Day 2)</b> 8.8 Factor Polynomials Completely	<b>16</b> Review, Reteach, Enrich (Unit I)	<b>17</b> <b>Assessment – FSQ (Unit I)</b>	<b>18</b> <b>TEACHER WORK DAY</b>
<b>Unit I: Polynomials and Factoring</b>				

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<b>21 March</b> <b>HOLIDAY</b>	<b>22</b> <b>HOLIDAY</b>	<b>23</b> <b>HOLIDAY</b>	<b>24</b> <b>HOLIDAY</b>	<b>25</b> <b>HOLIDAY</b>
<b>28</b> Begin 4 <sup>th</sup> 9 Weeks  9.1 Graph $y = ax^2 + c$	<b>29</b> 9.2 Graph $y = ax^2 + bx + c$	<b>30</b> 9.2 Extension: Graph Quad Functions in Intercept Form	<b>31</b> 9.3 Solve Quadratic Equations by Graphing	<b>1 April</b> 9.4 Use Square Roots to Solve Quadratic Equations
<b>Unit J: Quadratic Equations and Functions</b>				
<b>4</b> 9.5 Solve Quadratic Equations Complete the Square	<b>5</b> 9.5 Extension: Graph Quadratic Functions in Vertex Form	<b>6</b> 9.5 Part 2: Deriving the Quadratic Formula	<b>7</b> 9.6 Solve Quadratic Equations by the Quadratic Formula	<b>8</b> 9.6 Part 2: Using the Quadratic Formula
<b>Unit J: Quadratic Equations and Functions</b>				
<b>11</b> 9.7 Solve Systems with Quadratic Equations	<b>12</b> 9.8 Compare Linear, Exponential and Quadratic Models	<b>13</b> 9.9 Model Relationships	<b>14</b> Review, Reteach, Enrich (Units I-J)	<b>15</b> Unit Standard Assessment (Units I-J)
<b>Unit J: Quadratic Equations and Functions</b>				
<b>18</b> <b>FSA EOC Math</b>	<b>19</b> <b>FSA EOC Math</b>	<b>20</b> <b>FSA EOC Math</b>	<b>21</b> <b>FSA EOC Math</b>	<b>22</b> <b>FSA EOC Math</b>
<b>25</b> <b>FSA EOC Math</b>	<b>26</b> <b>FSA EOC Math</b>	<b>27</b> <b>FSA EOC Math</b>	<b>28</b> <b>FSA EOC Math</b>	<b>29</b> <b>FSA EOC Math</b>
<b>2 May</b> <b>FSA EOC Math</b>	<b>3</b> <b>FSA EOC Math</b>	<b>4</b> <b>FSA EOC Math</b>	<b>5</b> <b>FSA EOC Math</b>	<b>6</b> <b>FSA EOC Math</b>
<b>9</b> <b>FSA EOC Math</b>	<b>10</b> <b>FSA EOC Math</b>	<b>11</b> <b>FSA EOC Math</b>	<b>12</b> <b>FSA EOC Math</b>	<b>13</b> <b>FSA EOC Math</b>
<b>16</b> Algebra 2  2.5 Apply Remainder & Factor Theorem	<b>17</b> Algebra 2  2.6 Find Rational Zero	<b>18</b> 8.4 Part 4: Use Inverse Functions	<b>19</b> Algebra 2  3.6 Solve Radical Equations	<b>20</b> Algebra 2 5.2 Extension: Rewrite Rational Expressions
<b>Post-Assessment Content</b>				
<b>23</b> Algebra 2  5.6 Solve Rational Equations	<b>24</b> Algebra 2  7.3 Analyze Geom. Sequences & Series	<b>25</b> Algebra 2  7.4 Find Sums of Infinite Geom. Series	<b>26</b> Algebra 2  6.3 Use Normal Distributions	<b>27</b> <b>Semester Exams</b>
<b>Post-Assessment Content</b>				
<b>30</b> <b>HOLIDAY</b>	<b>31</b>	<b>1 June</b>	<b>2</b>	<b>3</b> <b>Post School</b>
<b>Semester Exams</b>				