

## Marietta City Schools Pacing Guide

**Subject: 7th Grade Pre-Algebra (Honors Math)**

**Grade Level: 7th Grade**

**Time Frame: Year Long**

Month / Week	CCS Benchmarks	Skills/Activities	Resources	Assessment
1st Quarter (August/September - October)	<p><b>Module 1:</b> 7.NS.1, 7.NS.1c, 7.NS.3</p> <p><b>Module 2:</b> 7.NS.2, 7.NS.3</p> <p><b>Module 3:</b> 7.NS.2d, 7.NS.1d, 7.NS.1c, 7.NS.2, 7.EE.3</p> <p><b>Module 4:</b> 7.RP.1, 7.RP.2, 7.RP.2a</p>	<p><b>Module 1(UNIT 1) - Adding &amp; Subtracting Integers:</b>                      Adding integers with the same sign                      Adding integers with different signs                      Subtracting Integers                      Applying addition &amp; subtraction of integers  <i>***Gallery activity determining positive and negative signs</i>  <i>***Integer Dragon activity</i>  <i>***Kahoot quiz</i></p> <p><b>Module 2(UNIT 1) - Multiplying &amp; Dividing Integers:</b>                      Multiplying integers                      Dividing integers                      Applying all integer operations  <i>***Trashketball activity</i>  <i>***Kahoot quiz</i></p> <p><b>Module 3 (UNIT 1) - Rational Numbers:</b>                      Intro to rational numbers and decimals                      Adding rational numbers                      Subtracting rational numbers                      Multiplying rational numbers                      Dividing rational numbers                      Applying rational number operations  <i>***Paper chain activity</i>  <i>***Always, sometimes, never statement</i></p>	Go Math Textbook Differentiation Workbook SMART Notebook presentations Guided Notes Scientific Calculator Activity resources (activities listed in previous column)	<p><b>Module 1:</b>                      -Pre-Test                      -Module 1 Quiz (summative assessment)                      -Formative Assessments</p> <p><b>Module 2:</b>                      -Pre-Test                      -Module 2 Quiz (summative assessment)                      -Formative Assessments</p> <p><b>Module 3:</b>                      -Pre-Test                      -Module 3 Quiz (summative assessment)                      -Formative Assessments</p> <p><b>UNIT 1 Project (Covers modules 1,2,3)</b>                      -Create a board game that uses all four math operations and</p>

		<p><i>activity</i>  <i>***Scavenger Hunt activity</i>  <i>***Error analysis activity</i>  <i>***Task card activity</i>  <i>***"Rational Me" project</i></p> <p><b>***Kahoot Quiz for Unit 1</b>  <b>***Around the World for Unit 1</b>  <b>***Unit 1 Writing word problem activity (using all operations with integers and rational numbers)</b>  <b>***UNIT 1 GAME BOARD</b>  <b><u>PROJECT(covers modules 1,2, and 3)</u></b></p> <p><b><u>Module 4 (UNIT 2) - Ratios and Proportionality:</u></b>  Unit rates  Constant rates of change  Proportional &amp; Non-proportional relationships and their graphs  <i>***Unit rate activity (jumping jacks, repeating alphabet, hopping on one leg --- predicting rates based off the unit rate they find)</i>  <i>***Proportional &amp; Non-proportional graphing worksheet activity</i>  <i>***Kahoot quiz</i></p>		<p>utilizes integers and rational numbers (must incorporate word problems and a specific number of questions of each operation)</p> <p><b>Module 4:</b>  -Pre-Test  -Module 4 Quiz (summative assessment)  -Formative Assessments</p>
<p>2nd Quarter (November-December)</p>	<p><b>Module 5:</b> 7.RP.3, 7.EE.2  <b>Module 6:</b> 7.EE.1, 7.EE.4, 7.EE.4a  <b>Module 7:</b> 7.EE.4, 7.EE.4b</p>	<p><b>Module 5(UNIT 2) - Proportions and Percent:</b>  Percent increase and decrease  Rewriting percent expressions  Applications of percents  <i>***Percent scavenger hunt activity</i>  <i>***Who Wants to Be a Millionaire game activity</i>  <i>***Module 5 Study guide practice</i></p>	<p>Go Math Textbook  Differentiation Workbook  SMART Notebook presentations  Guided Notes  Scientific Calculator  Activity resources (activities listed in previous column)</p>	<p><b>Module 5:</b>  -Pre-Test  -Module 5 Quiz (summative assessment)  -Formative Assessments</p> <p><b>UNIT 2 TEST (covers Modules</b></p>

		<p><b><u>Module 6(UNIT 3) - Expressions and Equations:</u></b>          Algebraic expressions &amp; like terms          One-step equations with rational coefficients          Writing Two-Step Equations          Solving Two-Step Equations  <i>***Use of an index card to assist with solving two-step equations (differentiation task)</i>  <i>***Practice worksheets</i>  <i>***One-step equation Kahoot Quiz</i>  <i>***Module 6 Study guide practice</i></p> <p><b><u>Module 7(UNIT 3) - Inequalities:</u></b>          Writing and Solving One-Step Inequalities          Writing Two-Step Inequalities          Solving Two-Step Inequalities  <i>***Module 7 practice writing and solving two-step inequality worksheet</i>  <i>***Gallery walk activity</i>  <i>***Inequality shape puzzle</i></p>		<p><b>4 &amp; 5)</b>  <b><u>Module 6:</u></b>          -Pre-Test          -Module 6 Quiz (summative assessment)          -Formative Assessments</p> <p><b><u>Module 7:</u></b>          -Pre-Test          -Module 7 Quiz (summative assessment)          -Formative Assessments</p> <p><b>UNIT 3 TEST (covers Modules 6 &amp; 7)</b></p>
3rd Quarter (January - March)	<p><b><u>Module 8:</u></b> 7.G.1, 7.G.2, 7.G.3, 7.G.5  <b><u>Module 9:</u></b> 7.G.4, 7.G.6  <b><u>Pythagorean Theorem:</u></b> 8.G.B.8  <b><u>Module 10:</u></b> 7.SP.4, 7.SP.3</p>	<p><b><u>Module 8(UNIT 4) - Modeling Geometric Figures:</u></b>          Similar Shapes and Scale Drawings          Geometric Drawings          Cross Sections          Angle Relationships  <i>***House Math Activity</i>  <i>***Protractor Mini Project</i>  <i>***Angle Relationship foldable</i>  <i>***Kahoot Quiz (Angle Relationships)</i></p>	Go Math Textbook Differentiation Workbook SMART Notebook presentations Guided Notes Scientific Calculator Activity resources (activities listed in previous column) Protractor Ruler 3D Figures	<p><b><u>Module 8:</u></b>          -Pre-Test          -Angle Relationship Quiz          -Module 8 Quiz (summative assessment)          -Formative Assessments</p> <p>-Protractor Mini Project</p>

		<p><b><u>Module 9(UNIT 4) - Circumference, Area, and Volume:</u></b>  Circumference  Area of Circles  Area of Composite Figures  Solving Surface Area Problems  Solving Volume Problems  ***Circle song  ***Cookie Circumference and Area Activity (good for Pi Day)  ***Kahoot quiz</p> <p><b><u>Pythagorean Theorem:</u></b>  ***Pythagorean Guided notes  ***Pythagorean Theorem Mini Project (Real World Scenarios)  ***Pythagorean Stack puzzle  ***Kahoot quiz</p> <p><b><u>Module 10(UNIT 5) - Inequalities:</u></b>  Comparing Data Displayed in Dot Plots  Comparing Data Displayed in Box Plots  Using Statistical Measures to Compare Populations - "MAD"  ***Box &amp; Whisker Plot practice activity  ***Box &amp; Whisker Plot Project</p>		<p><b><u>Module 9:</u></b>  -Pre-Test  -Module 9 Quiz (summative assessment)  -Formative Assessments</p> <p><b><u>UNIT 2 TEST (covers Modules 8 &amp; 9)</u></b></p> <p><b><u>Pythagorean Theorem:</u></b>  -Pre-Test  -Pythagorean Mini Project  -Pythagorean Theorem Quiz (summative assessment)  -Formative Assessments</p> <p><b><u>Module 10:</u></b>  -Pre-Test  -Module 10 Quiz (summative assessment)  -Formative Assessments</p> <p>-Box &amp; Whisker Plot Project</p>
4th Quarter (March - May)	<p><b><u>Module 11:</u></b> 7.SP.1, 7.SP.2  <b><u>Module 12/13:</u></b> 7.SP.5, 7.SP.6, 7.SP.8</p>	<p><b><u>Module 11(UNIT 5) - Random Samples and Populations:</u></b>  Populations and Samples  Making Inferences from a Random Sample</p>	<p>Go Math Textbook  Differentiation Workbook  SMART Notebook presentations  Guided Notes</p>	<p><b><u>Module 11:</u></b>  -Pre-Test  -Angle Relationship Quiz</p>

	<p><b><u>Multi-Step Equations/Module 18:</u></b> 8.EE.7, 8.EE.7b, 8.EE.7a <b><u>Module 14:</u></b> 8.NS.1, 8.NS.2 <b><u>Module 15:</u></b> 8.EE.1, 8.EE.3, 8.EE.4</p>	<p>Generating Random Samples ***<i>Scenario practice/Simulations</i></p> <p><b><u>Module 12/13(UNIT 6) - Experimental Probability, Theoretical Probability, and Simulations:</u></b> Probability Experimental/Theoretical Probability of Simple Events Experimental/Theoretical Probability of Compound Events Making Predictions with Experimental/Theoretical Probability Using Technology to Conduct a Simulation ***<i>Real World scenario problems</i> ***<i>Simulations</i></p> <p><b><u>Multi-Step Equations/Module 18:</u></b> Multi-Step Equations Equations with Variables on Both Sides Equations with Rational Numbers Equations with Distributive Property Equations with Many Solutions or No Solutions ***<i>Board races</i> ***<i>Dry erase board practice problems</i> ***<i>Kahoot Quiz</i> ***<i>Multi-Step Equation foldable</i> ***<i>Multi-Step Equation color matching activity</i></p> <p><b><u>Module 14(UNIT 7) - Real Numbers:</u></b> Rational and Irrational Numbers Sets of Real Numbers Ordering Real Numbers ***<i>Sticky note matching activity on board venn diagram</i> ***<i>Ordering activity</i> ***<i>Kahoot quiz</i></p>	<p>Scientific Calculator Activity resources (activities listed in previous column)</p>	<p>-Module 11 Quiz (summative assessment) -Formative Assessments</p> <p>-Protractor Mini Project</p> <p><b><u>Module 12/13:</u></b> -Pre-Test -Module 12/13 Quiz (summative assessment) -Formative Assessments</p> <p><b><u>UNIT 5/6 TEST (covers Modules 10, 11, 12, 13)</u></b></p> <p><b><u>Multi-Step Equations/Module 18:</u></b> -Pre-Test -Multi-Step Equations/Module 18 Quiz (summative assessment) -Formative Assessments</p> <p><b><u>Module 14:</u></b> -Pre-Test -Module 14 Quiz (summative assessment) -Formative</p>
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<p>If time permits throughout the year:</p>	<p><b><u>Module 16:</u></b> 8.EE.6, 8.F.4, 8.EE.5  <b><u>Module 17:</u></b> 8.F.3, 8.EE.6, 8.F.4, 8.F.2</p>	<p><b><u>Module 16(UNIT 8) - Proportional Relationships:</u></b>  Representing Proportional Relationships  Rate of Change and Slope  Interpreting the Unit Rate as Slope  ***Guided notes  ***Graphing activities</p> <p><b><u>Module 17(UNIT 8) - Nonproportional Relationships:</u></b>  Representing Linear Nonproportional Relationships  Determining Slope and y-intercept  Graphing Linear Nonproportional Relationships Using Slope and y-intercept  Proportional and Nonproportional Situations  ***Guided notes  ***Graphing activities</p>	<p>Go Math Textbook  Differentiation Workbook  SMART Notebook presentations  Guided Notes  Scientific Calculator  Activity resources (activities listed in previous column)  Graphing paper  Graphing Chalkboard</p>	<p><b><u>Module 16/17 (UNIT 8):</u></b>  -Pre-Test  -Module 16/17 Quiz/ "Unit 8" Test (summative assessment)  -Formative Assessments</p>

