

Dolton School District 148  
Curriculum Mapping Grade 8  
Illinois Mathematics Assessment Frameworks

August/September

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	Pre-Test		ISAT ISAT Formula Sheet ISAT Ruler ISAT Reading Rubric ISAT Math Rubric	<ul style="list-style-type: none"> <li>Practice ISAT</li> <li>Interactive ISAT</li> <li>District Assessments</li> </ul>	<a href="http://www.isbe.net">www.isbe.net</a> <a href="http://StudyIsland.com">Study Island.com</a>	Grade 8 ISAT Practice Test
Week 2	7.8.05 PS involving unit conversions within the same measurement system.	<b>Measurement ISAT Coach 13</b> pgs. 96-102 <ul style="list-style-type: none"> <li>Standard</li> <li>Metric</li> <li>Conversions within the same system</li> </ul>	inches feet yards miles  milli- centi- deci- deka- heka- kilo-  meter liter gram	<ul style="list-style-type: none"> <li>Holt Online Learning</li> <li>District 148 Website Coaches corner</li> <li>ISBE</li> <li>Holt Differentiated Instruction Resource Workbooks</li> <li>Smart board</li> <li>ISAT Coach</li> <li>ISAT Coach Write Math Number Sense</li> </ul>	<a href="http://my.hrw.com">my.hrw.com</a> <a href="http://www.district148.net">www.district148.net</a> <a href="http://www.isbe.net">www.isbe.net</a> <a href="http://go.hrw.com">go.hrw.com</a>  <i>Interactive Smart board</i> 7a- Measurement 7b –Rulers and Protractor	Spectrum Math Grade 8 <ul style="list-style-type: none"> <li>Standard System Pre-Test pgs. 41-42</li> <li>Standard System Post-Test pgs. 49-50</li> <li>Metric System Pre-Test pgs. 51-52</li> <li>Metric System Post-Test pgs. 57-58</li> </ul>
Week 3	6.8.10 Identify and apply order of operations to simplify numeric expressions involving integers, fractions & decimals.  6.8.11 Identify and apply properties of operations with rational numbers.	<b>Order of Operations ISAT Coach 8</b> pgs. 54-58 <ul style="list-style-type: none"> <li>PEMDAS</li> </ul> <b>Properties ISAT Coach 7</b> pgs. 47-53 <ul style="list-style-type: none"> <li>Commutative</li> <li>Associative</li> <li>Identity</li> <li>Inverse</li> <li>Distributive</li> </ul>	parenthesis exponents  commutative associative identity inverse distributive	<ul style="list-style-type: none"> <li>District 148 Website Coaches corner</li> <li>Glencoe Pre-Algebra worksheets</li> </ul>	<a href="http://www.district148.net">www.district148.net</a>	
Week 4	6.8.04 Use scientific notation to represent numbers & solve problems.  6.8.05 Represent repeated factors using exponents.  6.8.14 Estimate the square or cube root of a number less than 1000.	<b>Exponents and Scientific Notation</b> <ul style="list-style-type: none"> <li>2-6 Exponents</li> <li>2-7 Properties of Exponents</li> <li>2-8 Looking for a Pattern in Integer Exponents</li> <li>2-9 Scientific Notation</li> </ul> <b>Real Numbers</b> <ul style="list-style-type: none"> <li>3-8 Squares and Square Roots</li> <li>3-9 Finding Square Roots</li> <li>Cube Roots</li> <li>3-10 Real Numbers</li> </ul>	power exponential form exponent base scientific notation  principal square root perfect square irrational number real number density property	<ul style="list-style-type: none"> <li>District 148 Website Coaches corner</li> <li>Glencoe Pre-Algebra worksheets</li> </ul>	<i>Interactive Smart board</i> 8d -Powers and Squares	Lesson Quiz <ul style="list-style-type: none"> <li>2-6 P.87</li> <li>2-7 P.91</li> <li>2-8 P.95</li> <li>2-9 P.99</li> <li>3-8 P.149</li> <li>3-9 P.153</li> <li>3-10 P.159</li> </ul> Think and Discuss Additional Examples Extended Response

<p><b>Week 5</b></p>	<p><b>6.8.03</b> Recognize, translate between and apply multiple representations of rational numbers.</p> <p><b>6.8.06</b> Order &amp; compare rational numbers.</p> <p><b>6.8.07</b> Identify and locate rational and irrational numbers.</p>	<p><b>Rational Numbers</b></p> <ul style="list-style-type: none"> <li>• <b>3-1</b> Rational Numbers</li> <li>• <b>3-2</b> Adding/Subtracting</li> <li>• <b>3-3</b> Multiplying</li> <li>• <b>3-4</b> Dividing</li> <li>• <b>3-5</b> Adding/Subtracting with Unlike Denominators</li> </ul>	<p>rational number relatively prime reciprocal least common denominator</p>	<ul style="list-style-type: none"> <li>• District 148 Website Coaches corner</li> <li>• Glencoe Pre-Algebra worksheets</li> </ul>	<p><b>Interactive Smart board</b> 6a -Fractions &amp; Decimals</p>	<p><b>Lesson Quiz</b></p> <ul style="list-style-type: none"> <li>• 3-1 P.116</li> <li>• 3-2 P.120</li> <li>• 3-3 P.125</li> <li>• 3-4 P.130</li> <li>• 3-5 P.134</li> </ul> <p><b>Think and Discuss</b> <b>Additional Examples</b> <b>Extended Response</b></p>
<p><b>Week 6</b></p>	<p><b>6.8.15</b> Use ratios to describe problem situations.</p> <p><b>6.8.16</b> Use proportional reasoning to model and solve problems.</p> <p><b>6.8.17</b> Read, write, recognize, model and interpret percents, including those less than 1% and greater than 100%.</p> <p><b>6.8.18</b> PS number sentences and problems involving fractions, decimals &amp; percents.</p>	<p><b>Ratios, Proportions, and Percents</b></p> <ul style="list-style-type: none"> <li>• <b>7-1</b> Ratios and Proportions</li> <li>• <b>7-2</b> Ratios, Rates, and Unit Rates</li> <li>• <b>7-4</b> Solving Proportions</li> <li>• <b>8-1</b> Relating Decimals, Fractions, and Percents</li> <li>• <b>8-2</b> Finding Percents</li> </ul>	<p>ratio equivalent ratio proportion</p> <p>rate unit rate unit price</p> <p>cross product</p> <p>percent</p>	<ul style="list-style-type: none"> <li>• District 148 Website Coaches corner</li> <li>• Glencoe Pre-Algebra worksheets</li> <li>• Fraction Circles</li> </ul>	<p><b>Interactive Smart board</b> 6c- ratio and proportions</p>	<p><b>Lesson Quiz</b></p> <ul style="list-style-type: none"> <li>• 7-1 P.345</li> <li>• 7-2 P.349</li> <li>• 7-4 P.359</li> <li>• 8-1 P.403</li> <li>• 8-2 P.408</li> </ul> <p><b>Think and Discuss</b> <b>Additional Examples</b> <b>Extended Response</b></p>
<p><b>Week 7</b></p>	<p><b>6.8.02</b> Read, write &amp; recognize equivalent representations of integer powers of 10.</p> <p><b>9.8.05</b> Represent repeated factors using exponents.</p> <p><b>9.8.12</b> Describe the effect of multiplying &amp; dividing b y numbers or dividing a rational number by a number less than zero, zero, a number between zero and one and a number greater than one.</p>	<p><b>Integers and Absolute Value</b></p> <ul style="list-style-type: none"> <li>• Introduction to Integers and Absolute Value</li> <li>• <b>2-1</b> Adding Integers</li> <li>• <b>2-2</b> Subtracting Integers</li> <li>• <b>2-3</b> Multiplying/Dividing Integers</li> </ul> <p><b>Graphing in Four Quadrants</b></p> <ul style="list-style-type: none"> <li>• <b>1-7</b> Ordered Pairs</li> <li>• <b>1-8</b> Graphing on a Coordinate Plane</li> </ul>	<p>integer opposite absolute value</p> <p>origin ordered pair co-ordinate plane x-axis y-axis x-coordinate y-coordinate graph of an equation</p>	<ul style="list-style-type: none"> <li>• District 148 Website Coaches corner</li> <li>• Glencoe Pre-Algebra worksheets</li> </ul>	<p><b>Interactive Smart board</b> 6b -Integers and rational numbers</p>	<p><b>Lesson Quiz</b></p> <ul style="list-style-type: none"> <li>• 2-1 P.63</li> <li>• 2-2 P.67</li> <li>• 2-3 P.71</li> <li>• 1-7 P.37</li> <li>• 1-8 P.41</li> </ul> <p><b>Think and Discuss</b> <b>Additional Examples</b> <b>Extended Response</b></p>

# October

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	Catch up, Review, and Assess	<i>ISAT Coach</i> <ul style="list-style-type: none"> <li>Exponents pgs. 31-35</li> <li>Scientific Notation pgs. 36-40</li> <li>Square &amp; Roots pgs. 41-46</li> <li>Rational &amp; Irrational pgs. 14-19</li> <li>Op with Rational pgs. 59-66</li> <li>Ratios &amp; Proportions pgs. 74-80</li> <li>App of Percents pgs. 67-73</li> <li>Using Prop in Measurement pgs. 127-132</li> <li>Absolute Value pgs. 210-214</li> </ul>			<a href="http://my.hrw.com">my.hrw.com</a> <a href="http://www.district148.net">www.district148.net</a> <a href="http://go.hrw.com">go.hrw.com</a>	ISAT Coach <ul style="list-style-type: none"> <li>Review pgs. 88-94</li> </ul>
Week 2	<p>10.8.06 PS involving the probability of a simple or compound event.</p> <p>10.8.07 Represent all possible outcomes for simple events.</p> <p>10.8.08 Solving simple problems involving the numbers of ways objects can be arranged (permutations &amp; combinations).</p>	<i>Probability</i> <ul style="list-style-type: none"> <li>9-1 Probability</li> <li>9-2 Experimental Probability</li> <li>9-4 Theoretical Probability</li> </ul>	experiment trial outcome sample space event probability impossible certain  experimental probability  theoretical probability equally likely fair mutually exclusive	<ul style="list-style-type: none"> <li>Holt Online Learning</li> <li>District 148 Website Coaches corner</li> <li>Holt Differentiated instruction Resource Workbooks</li> <li>Smart t board</li> <li>ISAT Coach</li> <li>Three Color Spinner Activity</li> <li>Number Cubes</li> <li>Two-Sided Chips</li> </ul>	<a href="http://my.hrw.com">my.hrw.com</a> <a href="http://www.district148.net">www.district148.net</a> <a href="http://go.hrw.com">go.hrw.com</a> <a href="http://Studyisland.com">Studyisland.com</a>	Lesson Quiz <ul style="list-style-type: none"> <li>9-1 P.450</li> <li>9-2 P.454</li> <li>9-4 P.466</li> </ul> Think and Discuss Additional Examples Extended Response
Week 3	<p>10.8.06</p> <p>10.8.07</p> <p>10.8.08</p>	<ul style="list-style-type: none"> <li>9-5 The Fundamental Counting Principle</li> <li>9-6 Permutations and Combinations</li> <li>9-7 Independent and Dependent Events</li> </ul>	fundamental counting principle tree diagram  factorial permutation combination  independent events dependent events	<ul style="list-style-type: none"> <li>District 148 Website Coaches corner</li> <li>Glencoe Pre-Algebra worksheets</li> </ul>		Lesson Quiz <ul style="list-style-type: none"> <li>9-5 P.470</li> <li>9-6 P.475</li> <li>9-7 P.481</li> </ul> Think and Discuss Additional Examples Extended Response
Week 4	Catch Up, Review, and Assess	<i>ISAT Coach</i> <ul style="list-style-type: none"> <li>Probability pgs. 319-325</li> <li>Permutations &amp; Combinations pgs. 311-318</li> </ul>				ISAT Coach

# November/December

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p><b>8.8.01</b> Analyze, extend &amp; create sequence or linear functions, and determine algebraic expressions to describe the nth term of a sequence.</p> <p><b>8.8.02</b> Write an expression using variables to represent unknown quantities.</p> <p><b>8.8.03</b> Simplify algebraic expressions.</p> <p><b>8.8.04</b> Recognize &amp; generate equivalent forms of algebraic expressions</p>	<p><b>Algebraic Expressions and Equations</b></p> <ul style="list-style-type: none"> <li>• <b>1-1</b> Variables and Expressions</li> <li>• <b>1-2</b> Write Algebraic Expressions</li> <li>• <b>1-3</b> Adding/Subtracting</li> </ul>	<p>variable coefficient algebraic expression constant evaluate substitute</p>	<ul style="list-style-type: none"> <li>• Holt Online Learning</li> <li>• District 148 Website Coaches corner</li> <li>• Holt Differentiated instruction Resource Workbooks</li> <li>• Smart board</li> <li>• ISAT Coach</li> <li>• ISAT Coach Write Math Algebra</li> <li>• Glencoe Pre-Algebra worksheets</li> </ul>	<p><i>Interactive Smart board</i> 8d- Variables and Expressions</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 1-1 P.7</li> <li>• 1-2 P.12</li> <li>• 1-3 P.17</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
Week 2	<p><b>8.8.05</b> Evaluate or simplify algebraic expressions with one or more rational variable values.</p> <p><b>8.8.12</b> Solve linear equations and inequalities in one variable over rational numbers.</p> <p><b>8.8.13</b> PS involving unknown quantities.</p>	<ul style="list-style-type: none"> <li>• <b>1-4</b> Multiplying/Dividing</li> <li>• <b>2-4</b> Containing Integers</li> <li>• <b>3-6</b> Containing Rational Numbers</li> </ul>	<p>division property of equality multiplication property of equality</p>	<ul style="list-style-type: none"> <li>• Glencoe Pre-Algebra worksheets</li> </ul>		<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 1-4 P.22</li> <li>• 2-4 P.77</li> <li>• 3-6 P.139</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
Week 3	<ul style="list-style-type: none"> <li>• 8.8.01</li> <li>• 8.8.03</li> <li>• 8.8.04</li> <li>• 8.8.05</li> <li>• 8.8.12</li> <li>• 8.8.13</li> </ul> <p><b>8.8.11</b> Represent &amp; analyze problems with linear equations &amp; inequalities.</p>	<ul style="list-style-type: none"> <li>• <b>1-6</b> Combining Like Terms</li> </ul> <p><b>Patterns and Sequences</b></p> <ul style="list-style-type: none"> <li>• <b>12-1</b> Arithmetic Sequences</li> <li>• <b>12-2</b> Geometric Sequences</li> </ul> <p><b>Multi-Step Equations</b></p> <ul style="list-style-type: none"> <li>• <b>10-1</b> Solving Two-Step</li> </ul>	<p>term like term equivalent expression simplify</p> <p>sequence term arithmetic sequence common difference</p> <p>geometric sequence common ratio</p>	<ul style="list-style-type: none"> <li>• Glencoe Pre-Algebra worksheets</li> <li>• Cuisenaire Rods</li> <li>• Algebra Four-Pan Scale</li> </ul>		<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 1-6 P.31</li> <li>• 10-1 P.501</li> <li>• 12-1 P.594</li> <li>• 12-2 P.599</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>

<p><b>Week 4</b></p>	<ul style="list-style-type: none"> <li>8.8.11</li> </ul> <p><b>8.8.07</b> Represent linear equations and quantitative relationships on a rectangular coordinate system.</p> <p><b>8.8.09</b> Interpret the meaning of slope and intercepts in linear situations.</p> <p><b>9.8.05</b> Graph points, and identify coordinates of points on the coordinate plane.</p>	<p><b>Graphing Lines</b></p> <ul style="list-style-type: none"> <li><b>11-1</b> Graphing Linear Equations</li> <li><b>11-2</b> Slope of a Line</li> <li><b>11-3</b> Using Slope and Intercepts</li> </ul>	<p>point-slope form x-intercept y-intercept slope-intercept form</p>	<ul style="list-style-type: none"> <li>Holt Online Learning</li> <li>District 148 Website Coaches corner</li> <li>Holt Differentiated instruction Resource Workbooks</li> <li>Smart board</li> <li>ISAT Coach</li> <li>Glencoe Pre-Algebra worksheets</li> </ul>	<p>my.hrw.com www.district148.net go.hrw.com</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>11-1 P.544</li> <li>11-2 P.549</li> <li>11-3 P.554</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
<p><b>Week 5</b></p>	<ul style="list-style-type: none"> <li>8.8.11</li> <li>8.8.12</li> <li>8.8.13</li> </ul>	<p><b>Inequalities</b></p> <ul style="list-style-type: none"> <li><b>1-5</b> Solving Simple Inequalities</li> <li><b>2-5</b> Solving Inequalities Containing Integers</li> <li><b>3-7</b> Solving Inequalities Containing Rational Numbers</li> </ul>	<p>inequality algebraic inequality solution of an inequality solution set</p>	<ul style="list-style-type: none"> <li>Glencoe Pre-Algebra worksheets</li> </ul>		<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>1-5 P.27</li> <li>2-5 P.81</li> <li>3-7 P.143</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
<p><b>Week 6</b></p>	<p>Catch Up, Review, and Assess</p>	<p><b>ISAT Coach</b></p> <ul style="list-style-type: none"> <li>Extend Patterns pgs. 148-154</li> <li>Simplifying Exp pgs. 155-158</li> <li>Evaluating Exp pgs. 159-162</li> <li>Solving Equations pgs. 163-168</li> <li>Solving &amp; Graphing Inequalities pgs. 169-175</li> <li>Translating Problems into Exp, Equations &amp; Ineq. pgs. 176-181</li> <li>Graphing Linear Eq. pgs. 182-188</li> <li>Slope &amp; Rate of Change pgs. 189-196</li> <li>Solving Word Problems Using Algebra pgs. 197-201</li> </ul>				<p>ISAT Coach</p> <ul style="list-style-type: none"> <li>Review pgs. 202-208</li> </ul>

# January

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
<p><b>Week 1</b></p>	<p><b>9.8.02</b> PS involving knowledge of triangle and quadrilateral properties.</p> <p><b>9.8.08</b> Identify or analyze relationships of angles formed by intersecting lines and angles formed by radii of a circle.</p> <p><b>9.8.09</b> PS involving vertical,</p>	<p><i>Plane Geometry</i></p> <ul style="list-style-type: none"> <li>• <b>5-1</b> Points, Lines, Planes, and Angles</li> <li>• <b>5-2</b> Parallel and Perpendicular Lines</li> <li>• <b>5-3</b> Triangles</li> <li>• <b>5-4</b> Polygons</li> </ul>	<p>point line plane segment ray angle acute angle right angle obtuse angle complementary angle supplementary angle vertical angle congruent</p> <p>perpendicular lines parallel lines transversal</p> <p>triangle sum theorem acute triangle right triangle obtuse triangle equilateral triangle isosceles triangle scalene triangle</p> <p>polygon regular polygon trapezoid parallelogram rectangle rhombus square</p>	<ul style="list-style-type: none"> <li>• Holt Online Learning</li> <li>• District 148 Website Coaches corner</li> <li>• Holt Differentiated instruction Resource Workbooks</li> <li>• Smart board</li> <li>• ISAT Coach</li> <li>• Transversal Cards</li> <li>• Complementary and Supplementary angles foldable</li> <li>• ISAT Skills Coach Write Math Geometry</li> <li>• Glencoe Pre-Algebra worksheets</li> </ul>	<p>my.hrw.com www.district148.net go.hrw.com Studyisland.com</p> <p><i>Interactive Smart board</i> 8d -Proportions and Formulas 9d- Angles and Proportions</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 5-1 P.226</li> <li>• 5-2 P.231</li> <li>• 5-3 P.238</li> <li>• 5-4 P.243</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
<p><b>Week 2</b></p>	<p><b>7.8.02</b> PS involving perimeter/circumference and area of polygons, circles &amp; composite figures.</p> <p><b>7.8.03</b> Compare and estimate length, area, volume, weight/mass, and angles using referents.</p> <p><b>9.8.01</b> PS involving 2- and 3-D shapes.</p> <p><b>9.8.04</b> Identify, describe &amp; determine the radius, diameter, and circumference of a circle and their relationship to each other and pi.</p> <p><b>9.8.06</b> Represent and identify figures using coordinate geometry, including those resulting from transformations</p>	<ul style="list-style-type: none"> <li>• <b>5-5</b> Coordinate Geometry</li> </ul> <p><i>Perimeter/Area</i></p> <ul style="list-style-type: none"> <li>• <b>6-1</b> Rectangle/Parallelogram</li> <li>• <b>6-2</b> Triangle/Trapezoid</li> <li>• <b>6-3</b> Pythagorean Theorem</li> <li>• <b>6-4</b> Circles</li> </ul>	<p>slope rise run</p> <p>perimeter area</p> <p>Pythagorean Theorem leg hypotenuse</p> <p>circle radius diameter circumference</p>	<p>Properties of Polygon Area of a Circle Circumference vs. Diameter Right Triangle Activity Discover area of Triangle</p>	<p><i>Interactive Smart board</i> 7c Perimeter, Area, and Volume 9c- Solve Geometry problems</p> <p><i>Technology Lab</i> Pythagorean Triples</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 5-5 P.247</li> <li>• 6-1 P.284</li> <li>• 6-2 P.288</li> <li>• 6-3 P.293</li> <li>• 6-4 P.297</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>

<p><b>Week 3</b></p>	<p><b>7.8.03</b> Compare and estimate length, area, volume, weight/mass, and angles using referents.</p> <p><b>7.8.04</b> PS involving the volume or surface area of a right rectangular prism, right circular cylinder or composite shape using an appropriate formula or strategy.</p>	<p><b>Volume</b></p> <ul style="list-style-type: none"> <li>• <b>6-5</b> Drawing Three-Dimensional Figures</li> <li>• <b>6-6</b> Prisms/Cylinders</li> <li>• <b>6-7</b> Pyramids/Cones</li> </ul>	<p>face edge vertex perspective vanishing point horizon</p> <p>prism cylinder</p> <p>pyramid cone</p>	<p><b>Hands on Lab-Make a scale model</b> Rectangular Prisms Volume of Prisms &amp; Cylinders Volume of Pyramids &amp; Cones Investigating Volume Volume of Cylinders and Cones</p>	<p><i>Interactive Smart board</i> 9a -2D and 3D Shapes</p>	<p><b>Lesson Quiz</b></p> <ul style="list-style-type: none"> <li>• 6-5 P.306</li> <li>• 6-6 P.311</li> <li>• 6-7 P.315</li> </ul> <p><b>Think and Discuss</b> Additional Examples Extended Response</p>
<p><b>Week 4</b></p>	<ul style="list-style-type: none"> <li>• <b>7.8.04</b></li> </ul> <p><b>9.8.10</b> Identify front, side, and top views of a three-dimensional solid built with cubes.</p>	<p><b>Surface Area</b></p> <ul style="list-style-type: none"> <li>• <b>6-8</b> Prisms/Cylinders</li> <li>• <b>6-9</b> Pyramids/Cones</li> <li>• <b>6-10</b> Spheres</li> </ul> <p><i>Identifying Top, Side, and Front View of a Three-Dimensional Figure</i> <b>ISAT Coach 36</b></p>	<p>surface area lateral face lateral surface</p> <p>slant height regular pyramid right cone</p> <p>sphere hemisphere great circle</p>	<p><b>Storage Box Activity</b> Surface Area of Prisms Surface Area of Cylinders Cylinders and Cones</p>	<p><i>Interactive Smart board</i> 9b -Properties of 2D and 3D shapes</p>	<p><b>Lesson Quiz</b></p> <ul style="list-style-type: none"> <li>• 6-8 P.319</li> <li>• 6-9 P.323</li> <li>• 6-10 P.327</li> </ul> <p><b>Think and Discuss</b> Additional Examples Extended Response</p>

# February

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p><b>7.8.06</b> PS involving scale drawings, maps and indirect measurement.</p> <p><b>9.8.07</b> Analyze the results of a combination of transformations and determine a different transformations that could produce the same result.</p> <p><b>9.8.11</b> PS involving congruent and similar figures.</p>	<p><i>Patterns in Geometry</i></p> <ul style="list-style-type: none"> <li>• <b>5-6</b> Congruence</li> <li>• <b>5-7</b> Transformations</li> </ul> <p><i>Similar Figures</i></p> <ul style="list-style-type: none"> <li>• <b>7-6</b> Similar Figures</li> <li>• <b>7-7</b> Scale Drawings</li> <li>• <b>7-8</b> Scale Models</li> </ul>	<p>correspondence</p> <p>transformation translation rotation center of rotation reflection image</p> <p>similar</p> <p>scale drawing scale reduction enlargement</p> <p>scale model</p>	<ul style="list-style-type: none"> <li>• Hands-on Labs: Basic Constructions (p.227)</li> <li>• Advance Construction (p233)</li> <li>• Combine Transformation (p.258)</li> <li>• Patterns of solid Figures (p.300)</li> <li>• Twist and Turns Activity</li> <li>• Transformation and Cartesian Plane</li> <li>• District 148 Website Coaches corner</li> <li>• Glencoe Pre-Algebra worksheets</li> </ul>	<p><i>Interactive Smart board</i> 9a -Symmetry and Congruence</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 5-6 P.253</li> <li>• 5-7 P.257</li> <li>• 7-6 P.371</li> <li>• 7-7 P.375</li> <li>• 7-8 P.379</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
Week 2	<p><b>Catch Up, Review, and Assess</b></p>	<p><i>ISAT Coach</i></p> <ul style="list-style-type: none"> <li>• Angle Rel. pgs. 215-221</li> <li>• Circle Rel. pgs. 222-227</li> <li>• Prop. of Polygons pgs. 228-234</li> <li>• Pythagorean Theorem pgs. 235-239</li> <li>• Similar &amp; Congruent Figures pgs. 240-245</li> <li>• Combining Trans. pgs. 246-253</li> <li>• Prop. of Solid Figures pgs. 254-258</li> <li>• Per., Cir., &amp; Area pgs. 103-111</li> <li>• Surface Area &amp; Volume pgs. 112-118</li> <li>• Area &amp; Volume of Composite Figures pgs. 119-126</li> </ul>				<p>ISAT Coach</p> <ul style="list-style-type: none"> <li>• Review pgs. 264-270</li> </ul>
Week 3	<p><b>10.8.01</b> Read, interpret and make predictions from data represented in graphs.</p> <p><b>10.8.02</b> Compare/contrast the effectiveness of different representations of the same data.</p> <p><b>10.8.03</b> Create a bar graph, chart/table, line graph, or circle graph to solve a problem.</p> <p><b>10.8.04</b> Identify or</p>	<p><i>Collecting, Displaying, and Analyzing Data</i></p> <ul style="list-style-type: none"> <li>• <b>1-9</b> Interpreting Graphs and Tables</li> <li>• <b>4-2</b> Organizing Data</li> <li>• <b>4-3</b> Measures of Central Tendency</li> <li>• <b>4-4</b> Variability</li> <li>• <b>4-5</b> Displaying Data</li> <li>• <b>4-7</b> Scatter Plots</li> </ul>	<p>stem and leaf plot back to back stem &amp; leaf plot</p> <p>mean median mode outlier</p> <p>variability range quartile box and whisker plot</p> <p>bar graph frequency table histogram line graph</p> <p>scatter plot correlation line of best fit</p>	<ul style="list-style-type: none"> <li>• Holt Online Learning</li> <li>• District 148 Website Coaches corner</li> <li>• Holt Differentiated instruction Resource Workbooks</li> <li>• Smart board</li> <li>• ISAT Coach</li> <li>• Survey Activity</li> <li>• Lab 4a Exploring Samples</li> <li>• ISAT Skills Coach Write Math Data and Probability</li> <li>• Glencoe Pre-Algebra worksheets</li> </ul>	<p>my.hrw.com www.district148.net go.hrw.com Studyisland.com</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 1-9 P.47</li> <li>• 4-2 P.183</li> <li>• 4-3 P.187</li> <li>• 4-4 P.192</li> <li>• 4-5 P.199</li> <li>• 4-7 P.207</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>

	<p>draw a reasonable approximation of the line of best fit from a set of data or scatter plot, and use the line to make predictions.</p> <p><b>10.8.05</b> Analyze &amp; apply measures of central tendency in problem-solving situations.</p> <p><b>10.8.06</b> PS involving the probability of a simple or compound event.</p> <p><b>10.8.07</b> Represent all possible outcomes for simple events.</p> <p><b>10.8.08</b> Solving simple problems involving the numbers of ways objects can be arranged (permutations &amp; combinations).</p>					
<b>Week 4</b>	<b>Catch Up, Review, and Assess</b>	<p><i><b>ISAT Coach</b></i></p> <ul style="list-style-type: none"> <li>• <b>Measures of Central Tendency pgs. 272-277</b></li> <li>• <b>Line Plots &amp; Venn Diagrams pgs. 278-283</b></li> <li>• <b>Bar Graphs &amp; Histograms pgs. 284-290</b></li> </ul>		<ul style="list-style-type: none"> <li>• <b>Spectrum Math Grade 8</b></li> </ul>		<p><b>Spectrum Math Grade 8</b></p> <ul style="list-style-type: none"> <li>• <b>Pre-Test pgs. 63-64</b></li> <li>• <b>Post-Test pg. 79-80</b></li> </ul>

# March

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	Catch Up, Review, and Assess	<i>ISAT Coach</i> <ul style="list-style-type: none"> <li>Line Graphs &amp; Scatter Plots pgs. 291-297</li> <li>Circle Graphs &amp; Stem-&amp;-Leaf Plots pgs. 298-304</li> </ul> Choose the Best Graph pgs. 311-318			<a href="http://my.hrw.com">my.hrw.com</a> <a href="http://www.district148.net">www.district148.net</a> <a href="http://go.hrw.com">go.hrw.com</a>	
Week 2	<ul style="list-style-type: none"> <li>8.8.01</li> <li>8.8.03</li> <li>8.8.04</li> <li>8.8.05</li> <li>8.8.11</li> <li>8.8.12</li> <li>8.8.13</li> </ul>	<i>More Equations and Inequalities</i> <ul style="list-style-type: none"> <li><b>10-2</b> Solving Multi-Step Equations</li> <li><b>10-3</b> Solving Equations with Variables on Both Sides</li> </ul>		<ul style="list-style-type: none"> <li>Holt Online Learning</li> <li>District 148 Website Coaches corner</li> <li>Holt Differentiated instruction Resource Workbooks</li> <li>Smart board</li> <li>ISAT Coach</li> </ul>		Lesson Quiz <ul style="list-style-type: none"> <li>10-2 P.505</li> <li>10-3 P.511</li> </ul> Think and Discuss Additional Examples Extended Response
Week 3	<ul style="list-style-type: none"> <li>8.8.11</li> <li>8.8.12</li> <li>8.8.13</li> </ul>	<ul style="list-style-type: none"> <li><b>10-4</b> Solving Multi-Step Inequalities</li> <li><b>10-5</b> Solving for a Variable</li> <li><b>10-6</b> Systems of Equations</li> </ul>	system of equations solution of a system of equations			Lesson Quiz <ul style="list-style-type: none"> <li>10-4 P.518</li> <li>10-5 P.522</li> <li>10-6 P.527</li> </ul> Think and Discuss Additional Examples Extended Response
Week 4	Catch Up, Review, and Assess	Individual Teacher Based Projects				

# April

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1		<p><i>Functions</i></p> <ul style="list-style-type: none"> <li>• 12-4 Functions</li> <li>• 12-5 Linear Functions</li> </ul>	<p>function domain input output range function notation</p> <p>linear function</p>	<ul style="list-style-type: none"> <li>• Holt Online Learning</li> <li>• District 148 Website Coaches corner</li> <li>• Holt Differentiated instruction Resource Workbooks</li> <li>• Smart board</li> <li>• ISAT Coach</li> </ul>	<p>my.hrw.com www.district148.net go.hrw.com</p>	<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 12-4 P.612</li> <li>• 12-5 P.616</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
Week 2		<ul style="list-style-type: none"> <li>• 12-6 Exponential Functions</li> <li>• 12-7 Quadratic Functions</li> </ul>	<p>exponential function exponential growth exponential decay</p> <p>quadratic function parabola</p>			<p>Lesson Quiz</p> <ul style="list-style-type: none"> <li>• 12-6 P.620</li> <li>• 12-7 P.625</li> </ul> <p>Think and Discuss Additional Examples Extended Response</p>
Week 3	Catch Up, Review, and Assess	Individual Teacher Based Projects				