

Dolton School District 148
Curriculum Mapping Grade 7
Illinois Mathematics Assessment Frameworks

August/September Ch.1 Data Toolbox / Ch. 2 Number Theory & Algebraic Reasoning

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	Pre-Test / Assessments				www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard	ISAT Coach Pretest
Week 2	10.7.01 Read and interpret data represented in graphs. 10.7.05 Describe the chances associated with a context presented visually.	1-2 Mean, Median, Mode, Range 1-3 Frequency Tables / Stem-and-leaf plots	Mean, Median, Mode, Range, Outlier, Stem-and leaf plot, Cumulative frequency	ISAT Coach Lesson 37 Pages 278-283 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard	Spiral Review Pg 17 Mid Ch Quiz Pg 18
Week 3	10.7.02 Create a pictograph, bar graph, tally chart, or table for a given set of data. 10.7.03 Determine the mode and range, given a set of data or a graph. 10.7.04 Classify events using the vocabulary of probability	1-4 Bar Graphs and Histograms 1-7 Line Graphs	Bar graphs Double bar graphs Histogram Circle graph Sector Line graph Double Line graph	ISAT Coach Lesson 38 Pages 284-292 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard	Spiral Review Pg 27 Mid Ch Quiz Pg 34
Week 4	6.7.01 Read, write, & recognize equivalent representations of positive powers of 10. 6.7.04 Represent repeated factors using exponents. 6.7.09 Identify and apply order of operations to simplify numeric	1-8 Scatter plots 2-1 Exponents 2-2 Powers of Ten and Scientific Notation 2-3 Order of Operations	Scatter plot Positive/Negative correlation Power Exponents Standard form Scientific Notation Order of Operations	ISAT Coach Lesson 40 Pages 298-304 ISAT Coach Lesson 3 Pages 26-30 I/SAT Coach Lesson 11 Pages 75-79 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard	Spiral Review Pg 43 CH review/test Pg 55-57 Spiral Review 63-67 Mid Ch Test pg 74

<p>Week 5</p>	<p>6.7.07 PS involving descriptions of numbers including characteristics and relationships.</p>	<p>2-4 Prime Factorization 2-5 Greatest Common Factor 2-6 Least Common Multiple</p>	<p>Prime / Composite Numbers Prime Factorization Greatest Common Factor Least Common Multiple</p>	<p>ISAT Coach Lesson 5 Pages 37-43</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral Review Pg 81, 85, 89</p> <p>Mid Ch Quiz Pg 90</p>
<p>Week 6</p>	<p>8.7.01 Determine a missing term in a sequence, extend a sequence, and construct & identify a rule.</p> <p>8.7.03 Simplify algebraic expressions by identifying and combining like terms.</p> <p>8.7.05 Evaluate or simplify algebraic expressions with one or more integer variable values</p>	<p>2-7 Variables and Algebraic Expressions 2-8 Translating Words into Math 2-9 Combining Like Terms 2-10 Equations and their solutions 2-11 Solving equations by adding/subtracting 2-12 Solving equations by multiplying/dividing</p>	<p>Variable, Constant Evaluate Algebraic Expression Coefficient Inverse Operations Like terms Isolate the variable Addition/subtraction properties if equality</p>	<p>ISAT Coach Lesson 25 Pages 185-190</p> <p>ISAT Coach Lesson 26 Pages 191-196</p> <p>ISAT Coach Lesson 27 Pages 197-202</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral Review Pages 95, 99, 103</p>
<p>Week 7</p>	<p>Catch up, Review, and Assess</p> <p>(Chapters 1-2)</p>				<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Short Cycle Assessment 1</p> <p>Ch 1 & 2 Study Guide Reviews</p>

October - Ch. 3 Integers and Rational Numbers / Ch. 4 Operations with Rational Numbers

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p>6.7.05 Order and compare integers, terminating decimals, fractions, and mixed numbers.</p>	<p>Lesson 3-1 Integers Lesson 3-3 Adding Integers Lesson 3-4 Subtracting Integers Lesson 3-5 Multiplying / Dividing Integers Lesson 3-6 Solving Equations Containing Integers</p>	<p>Integers Absolute Value</p>	<p>ISAT Coach Lesson 9 Pages 63-68</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral review Pages 133, 143, 149, 153, 159</p> <p>Mid Ch Quiz Pg 160</p>
Week 2	<p>6.7.06 Identify & locate integers, decimals & fractions on a number line.</p> <p>6.7.08 PS number sentences involving addition, subtraction, multiplication & division using integers, fractions & decimals.</p> <p>9.7.05 Graph points and identify coordinates of points on the coordinate plane</p>	<p>Lesson 3-2 Coordinate Plane Lesson 3-7 Fractions and Decimals Lesson 3-8 Equivalent fractions and mixed numbers Lesson 3-9 Equivalent fractions and decimals Lesson 3-10 Comparing and Ordering Rational Numbers</p>	<p>Coordinate Plane X-axis, Y-axis, Origin Quadrant Ordered Pair Rational Number Equivalent fractions Improper fractions Mixed numbers Terminating decimal Repeating decimal</p>	<p>ISAT Coach Lesson 10 Pages 69-74</p> <p>ISAT Coach Lesson 34 Pages 249 -256</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral review pages 137, 165, 169, 173, 177</p>
Week 3	<p>6.7.08 PS number sentences involving addition, subtraction, multiplication & division using integers, fractions & decimals.</p>	<p>Lesson 4-1 Estimating with decimals Lesson 4-2 Adding and Subtracting decimals Lesson 4-3 Multiplying decimals Lesson 4-4 Dividing decimals by integers Lesson 4-5 Dividing decimals and integers by decimals Lesson 4-6 Solving equations containing decimals</p>	<p>Estimation Equivalent decimals Divisor</p>	<p>ISAT Coach Lesson 7 Pages 51-56</p> <p>ISAT Coach Lesson 8 Pages 57-62</p> <p>ISAT Coach review Pages 216-221</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral review pages 195,199, 205, 209, 213, 217</p>

Week 4	6.7.03 Recognize, translate between, and apply multiple representations of rational #s.	Lesson 4-7 Multiplying fractions and mixed numbers Lesson 4-8 Dividing fractions and mixed numbers Lesson 4-9 Estimating with fractions	Numerator Denominator Reciprocal Common denominator	ISAT Coach Lesson 28 Pages 203-211 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard	Spiral Review Pages 225, 229, 233
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November/December Ch. 4 Operations with Rational Numbers / Ch 5. Proportional Reasoning

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	6.7.03 Recognize, translate between, and apply multiple representations of rational #s.	Lesson 4-10 Adding and subtracting fractions Lesson 4-11 Adding and subtracting mixed numbers Lesson 4-12 Solving Equations containing fractions	Numerator Denominator Reciprocal Common denominator	ISAT Coach Ch 1 review Pages 106-112 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard	Spiral Review Pages 239, 243, 247, Ch 4 Study review/ & test Pages 252-255
Week 2	Catch up, Review, and Assess (Chapters 3-4)				www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard	Short Cycle Assessment 2 CH 3 & 4 Study Guides reviews
Week 3	6.7.14 Create & explain ratios that represent a given situation. 6.7.15 Use proportional reasoning to model & solve problems	Lesson 5.1 Ratios and Rates Lesson 5-2 Identifying and Writing Proportions Lesson 5-3 Solving Proportions	Rate Unit Rate Ratio	ISAT Coach Lesson 15 Pages 98-105 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard	Spiral review Pages 263. 267. 271
Week 4	9.7.13 Describe the difference between congruence & similarity. 9.7.14 Determine if figures are similar, and identify relationships between corresponding parts of similar figures.	Lesson 5-4 Dimensional Analysis Lesson 5-5 Similar figures and Proportions	Unit Conversion Factor	ISAT Coach Lesson 16 Pages 114-120 ISAT Coach Lesson 17 Pages 121-128 ISAT Coach Lesson 18 Pages 129-135 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard	Spiral Review 275-276
Week 5	9.7.14 Determine if figures are similar, and identify relationships between corresponding parts of similar figures. 7.7.06 PS involving scale drawings and maps	Lesson 5-6 Using Similar figures Lesson 5-7 Scale drawings and scale models	Similar figures Corresponding sides Corresponding angles Scale factor Scale Scale drawings and models Indirect measurement	ISAT Coach Lesson 21 Pages 152-157 Glencoe McGraw –Hill Worksheets /Foldables	www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard	Spiral review Pg 283, 287, 291

Week 6	Catch Up, Review, and Assess				www.isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard	Short Cycle Assessment 3 Ch 5 Study Guides and Reviews
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January Ch. 6 Percents / Ch. 10 Probability

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p>6.7..03 Recognize, translate between and apply multiple representations of rational numbers.</p> <p>6.7.17 PS involving fractions, decimals and percents.</p>	<p>Lesson 6-1 Fractions, Decimals, and Percents Lesson 6-2 Estimating with percents Lesson 6-3 Percent of a Number Lesson 6-4 Solving Equations containing percents Lesson 6-5 Percent of Change Lesson 6-6 Simple Interest</p>	<p>Percent Percent of Change Percent of Increase/decrease</p>	<p>ISAT Coach Lesson 13 Pages 87-91</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral review Pages 307, 311, 315, 319, 320</p>
Week 2	<p>10.7.06 PS involving the probability of a simple or compound event.</p>	<p>Lesson 10-1 Probability Lesson 10-2 Experimental Probability Lesson 10-3 Sample Spaces Lesson 10-4 Theoretical Probability</p>	<p>Outcome Event Probability Fundamental Counting Principle</p>	<p>ISAT Coach Lesson 41 Pages 305-309</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral review pages 519-523</p>
Week 3	<p>10.7.07 Represent all possible outcomes for simple events.</p> <p>10.7.08 Solve simple problems involving the number of ways objects can be arranged (permutations and combinations)</p>	<p>Lesson 10-5 Independent and dependent events Lessons 10-6 Combinations Lessons 10-7 Permutations</p>	<p>Combinations Permutations</p>	<p>ISAT Coach Lesson 42 Pages 312-319</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral reviews pages 550-553</p>
Week 4	<p>Catch Up, Review, and Assess</p>				<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Short Cycle Assessment 4</p>

February Ch. 8 Perimeter, Circumference, Area Ch. 9 Volume and Surface Area

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p>7.7.02 PS involving the perimeter and area of polygons and composite figures.</p> <p>7.7.03 Compare and estimate length, area, volume, weight/mass and angles using referents.</p> <p>7.7.05 PS involving unit conversions within the same measurement system.</p>	<p>Lesson 8-1 Customary and Metric Measurements Lesson 8-2 Accuracy and Precision Lesson 8-3 Perimeter and Circumference Lesson 8-4 Area and Parallelogram</p>	<p>Perimeter Circumference Area</p>	<p>ISAT Coach Lesson 19 Pages 134-144</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard</p>	<p>Spiral Review Pages 417, 423, 427</p>
Week 2	<p>7.7.03 Compare and estimate length, area, volume, weight/mass and angles using referents.</p>	<p>Lesson 8-5 Area of triangles and trapezoids Lesson 8-6 Areas of Circles Lesson 9-7 Powers and Roots Lesson 8-8 Pythagorean Theorem</p>	<p>Perfect square Square Root Radical Sign Leg Hypotenuse Pythagorean theorem</p>	<p>ISAT Coach Lesson 4 Pages 31-36</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard</p>	<p>Spiral Review Pages 447, 453</p>
Week 3	<p>7.7.04 Determine the volume and surface area of a right rectangular prism using an appropriate formula or strategy.</p> <p>7.7.05 PS involving unit conversions within the same measurement system.</p>	<p>Lesson 9-1 Intro. To 3-D figures Lesson 9-2 Volume of Prisms and Cylinders Lesson 9-3 Volume of Pyramids, Cones, and Spheres Lesson 9-4 Surface Area of Prisms, Cylinders, and Spheres Lesson 9-5 Changing Dimensions</p>	<p>Volume Surface Area</p>	<p>ISAT Coach Lesson 20 Pages 145-151</p> <p>ISAT Coach Lesson 36 Pages 263-268</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard</p>	<p>Spiral Review Pages 483, 490, 495,</p>
Week 4	<p>Catch Up, Review, and Assess</p>	<p>ISAT Review</p>			<p>www. Isbe.net go.hrw.com my.hrw.com www.didstrict148.net Interactive Smartboard</p>	

March Ch. 7 Plane Figures

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p>9.7.08 Identify or analyze a combination of transformations, and determine a different transformation that could produce the same result.</p>	<p>Lesson 7-1 Points, Lines, and Planes Lesson 7-2 Angles Lesson 7-3 Parallel and Perpendicular lines</p>	<p>Point, Line, Ray, Line Segment, Plane Congruent Angle, Vertex, Complementary and Supplementary angles Perpendicular and Parallel lines Transversal Skew lines Vertical Angles</p>	<p>ISAT Coach Lesson 30 Pages 224-229</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral review Pages 353, 357</p>
Week 2	<p>9.7.03 PS using properties of triangles and quadrilaterals.</p> <p>9.7.04 Identify, describe, & determine the radius & diameter of a circle.</p>	<p>Lesson 7-4 Circles Lesson 7-5 Polygons Lesson 7-6 Triangles Lesson 7-7 Quadrilaterals</p>	<p>Circle Radius Diameter Chord Arc Central Angle Sector</p>	<p>ISAT Coach Lesson 32 Pages 237-241</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral Review Pages Ch 7</p>
Week 3	<p>9.7.07 Analyze the results of a combination of transformations.</p> <p>9.7.08 Identify or analyze relationships of angles formed by intersecting lines.</p> <p>9.7.09 Identify & sketch acute, right & obtuse angles.</p>	<p>Lesson 7-8 Angles in Polygons Lesson 7-9 Congruent Figures Lesson 7-10 Transformations Lesson 7-11 Symmetry</p>	<p>Diagonal Transformation Translation Rotation Reflection Symmetry</p>	<p>ISAT Coach Lesson 33 Pages 242-248</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	<p>Spiral Review Pages Ch 10</p>
Week 4	<p>Catch Up, Review, and Assess</p>				<p>www. Isbe.net go.hrw.com my.hrw.com www.didistrict148.net Interactive Smartboard</p>	

April Ch. 11 Multistep Equations and Inequalities

Time Frame	Illinois Assessment Frameworks	Textbook Lessons	Vocabulary/Posters	Resources	Links	Assessment
Week 1	<p>8.7.09 Identify, graph, & interpret inequalities on a number line</p> <p>8.7.10 Represent & analyze problems with linear equations & inequalities.</p> <p>8.7.11 Solve linear equations in one variable.</p>	<p>Lesson 11-1 Solving two-step equations</p> <p>Lesson 11-2 Solving multistep equations</p> <p>Lesson 11-3 Solving equations with variables on both sides</p>	Individual Based Teacher Projects	<p>Individual Based Teacher Projects</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	Individual Based Teacher Projects	Individual Based Teacher Projects
Week 2	<p>8.7.07 Represent linear equations and quantitative relationships on a coordinate system.</p> <p>8.7.08 Translate between different representations of whole number relationships and linear expressions.</p>	<p>Lesson 11-4 Inequalities</p> <p>Lesson 11-5 Solving inequalities by adding/subtracting</p> <p>Lesson 11-6 Solving inequalities by multiplying/dividing</p> <p>Lesson 11-7 Solving two-step inequalities</p>	Individual Based Teacher Projects	<p>Individual Based Teacher Projects</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	Individual Based Teacher Projects	Individual Based Teacher Projects
Week 3	Catch Up, Review, and Assess		Individual Based Teacher Projects	<p>Individual Based Teacher Projects</p> <p>Glencoe McGraw –Hill Worksheets /Foldables</p>	Individual Based Teacher Projects	Individual Based Teacher Projects