

Topsfield Public Schools Math Curriculum Map Grade 6 *IMPACT MATH*)

September	October	November	December	January
<p>Chapter 1: All About Patterns</p> <p><i>Key Terms/Concepts:</i> pattern, symmetric, sequence, term, preceding, ambiguous, order of operations, rule, input, output, polygon, vertex, angle, ray, concave polygon, regular polygon, line symmetry, Triangle inequality</p>	<p>Chapter 2: All About Numbers</p> <p><i>Key Terms/Concepts:</i> factor, pair, prime number, composite number, prime factorization, common factor, greatest common factor, relatively prime, multiple, common multiple, least common multiple, mixed number, equivalent fractions, repeating decimals, positive numbers, negative numbers, opposites, absolute value</p>	<p>Chapter 3: Working with Fractions & Decimals</p> <p><i>Key Terms/Concepts:::</i> Repeating decimal Terminating decimal Conversion of fractions to decimals,equivlanency,Operations +, - , x, / ... in fractions and decimals Long division</p>	<p>Chapter 4: Making Sense of Percents</p> <p><i>Key Terms/Concepts:</i> Fractions to decimals to percents Circle graphs Percent of,/ off</p>	<p>Chapter 5 Exploring Graphs</p> <p><i>Key Terms/Concepts:</i> Graphs that tells a story, Graphs that makes comparisons, Graphs that show an overall relationship. Axes, origin, Scatter Plots, outlier, Point graphs, Connecting points with solid line or with dashe,s Coordinate pairs, Choosing Scale,</p> <p>Mid Term Test Chapters 1-5</p> <p>Chapter 6: Analyzing Data Graphs (Through mid Feb.)</p>

February	March	April	May	June
<p>Chapter 6 Continues.</p> <p>Key Terms/Concepts: <i>Measures of Center Mean, Median, Mode, Range, Distribution of Data Histogram, frequency,,distribution, intervals, Line Plot, Double Bar Graph, Stem and Leaf Plot Stacked Bar Graph, Line and Point Graphs Analyzing Data</i></p>	<p>Chapter 7: Variables and Rules</p> <p>Key Terms/Concepts: <i>Input/Output tables Verbal Expressions to Symbolic Expressions, Formula, Patterns, Order of Operations with Fraction bar, Distributive law, Applying rules in real life, Rules in Context, Inverse Operations,</i></p>	<p>Chapter 8: Geometry & Measurement (omit 8.5)</p> <p>Check student understanding for Divisibility Rules</p> <p>Key Terms/Concepts: <i>Protractor, Angles(Acute,Obtuse,Right,Straight) Adjacent and Vertical, Congruent, Concave, , Tessellations, Perimeter, Circumference, Area PI ,Approximate Value of Square Root, Area of Triangles, parallelograms Sum of Angles in: Triangle, Polygons, Exterior Angles of Polygon, Shearing, Chord, Diameter, Radius $C = \pi \times D$ $A = \pi \times r^2$ Surface Area, Volume</i></p>	<p>Chapter 10: Understanding Probability</p> <p>MCAS TESTING <i>Two Sessions</i></p> <p>Key Terms/Concept: <i>Chance, Outcome, Theoretical Probability, Experimental Probability, Geometric probabiity Recording Outcomes: Table,Tree diagram</i></p>	<p>Chapter 9 Solving Equations</p> <p>Key Terms/Concepts: <i>Open sentence, Equations, Pan balance method, Solution, Backtracking, Flow chart,</i></p> <p>Chapter 8.5 The Pythagorean Theorem</p>

For additional references see, www.glencoe.com and Hot Words-Hot Topics (available from your child's teacher)