

**Prairie Middle School**  
**Connected Math Curriculum Map - Grade: 6/7/8**

	Aug/Sept/Oct	Nov/Dec	Jan/Feb	March/April	April/May/June	
Book Title	Prime Time	Shapes and Designs	Bits & Pieces 1	Data About Us	Covering & Surrounding	
6th	<ul style="list-style-type: none"> <li>•Factors</li> <li>•LCM</li> <li>•Prime Numbers</li> <li>•Composite Numbers</li> <li>•Square Numbers</li> <li>•Problem Solving</li> <li>•Even/Odd Numbers</li> <li>•Fundamental Theorem of Arithmetic</li> <li>•Whole Numbers</li> <li>•Addition</li> <li>•Subtraction</li> <li>•Multiplication</li> <li>•Division</li> </ul>	<ul style="list-style-type: none"> <li>•Polygons</li> <li>•Estimating and Measuring Angles</li> <li>•Tilings</li> <li>•Tesselations</li> <li>•Symmetry</li> <li>•Properties of Figures</li> <li>•Finding Missing Angle</li> <li>•Measurements of Triangles and Quadrilaterals</li> </ul>	<ul style="list-style-type: none"> <li>•Fractions</li> <li>•Decimals</li> <li>•Fractions</li> <li>•Compare/Order Fractions</li> <li>•Estimate with fractions</li> <li>•Fraction Parts of a Whole</li> <li>•Measures</li> <li>•Fractions as Division</li> <li>•Adding/Subtracting Fractions</li> <li>•Adding/Subtracting Decimals</li> </ul>	<ul style="list-style-type: none"> <li>•Types of Data</li> <li>•Using Graphs</li> <li>•Looking at Data</li> <li>•Finding Mean, Median, Mode, and Range</li> <li>•Posing the question</li> <li>•Collect the data</li> <li>•Analyze data</li> <li>•Interpret results</li> </ul>	<ul style="list-style-type: none"> <li>•Perimeter</li> <li>•Circumference</li> <li>•Squares</li> <li>•Rectangles</li> <li>•Parallelogram</li> <li>•Area</li> <li>•Circles</li> <li>•Triangles</li> <li>•Odd</li> </ul>	
	Aug/Sept/Oct	Oct/Nov/Dec	Dec/Jan	Feb/Mar	March/April	April/May/June
Book Title	Bits and Pieces II	Variables and Patterns	Comparing and Scaling	Accentuate the Negative	How Likely Is It?	Filling and Wrapping
7th	<ol style="list-style-type: none"> <li>1. Concepts of numbers Fractions, decimals, and percents</li> <li>Comparison and ordering of fractions, decimals, and percents</li> <li>2. Computation</li> <li>*Develop and analyze algorithms for computing with fractions, decimals, and percents</li> <li>*Estimation strategies</li> </ol>	<ol style="list-style-type: none"> <li>1. Understands patterns, relations, and functions</li> <li>*Represent and analyze patterns with tables, graphs, words, and equations.</li> <li>*Relate and compare different representations of a pattern</li> <li>2. Use algebraic symbols to solve mathematical problems</li> <li>*Develop and understand different uses of variables</li> <li>3. Recognize and use connections among mathematical ideas</li> </ol>	<ol style="list-style-type: none"> <li>1. Concept of numbers Fractions, decimals, and percents</li> <li>*Use of ratios</li> <li>2. Computation and making reasonable estimates</li> <li>*Estimation strategies</li> <li>Scaling and equivalent ratios</li> </ol>	<ol style="list-style-type: none"> <li>1. Concepts of numbers</li> <li>*Represent and compare values with integers</li> <li>2. Computation and making reasonable estimates</li> <li>*Develop and analyze algorithms for computing integers</li> <li>***** 1. Understand patterns, relations, and functions</li> <li>*Represent and analyze patterns with tables, graphs, words, and equations</li> </ol>	<ol style="list-style-type: none"> <li>1. Collect, organize, and display relevant data</li> <li>2. Use appropriate statistical methods to analyze data</li> <li>3. Make inferences, predictions, and decisions based on data</li> <li>4. Understand and use basic concepts of probability</li> <li>*Possible and probable</li> <li>*Organize all possible outcomes mathematically</li> <li>*Determine probabilities</li> <li>*Make predictions on equally and unequally likely events</li> </ol>	<ol style="list-style-type: none"> <li>1. Measurement techniques, tools, and formulas</li> <li>*Select appropriate methods for measuring irregular objects</li> <li>*Find area, circumference, and perimeter of 2-dimensional figures</li> <li>*Develop strategies to determine surface area and volume of selected 3-dimensional figures</li> <li>*Solve problems involving scale factors</li> <li>***** 1. Analyze characteristics and properties of 2- and 3- dimensional shapes</li> <li>2. Use geometric models to solve problems</li> <li>*Draw geometric objects with specific properties such as area, perimeter, volume</li> </ol>
	Aug/Sept/Oct	Oct/Nov	Nov/Dec	Jan/Feb	Feb/March/April	April/May/June
Book Title	Moving Straight Ahead	Thinking w/Math Models	Clever Counting	Say it with Symbols	Looking for Pythagoras	Frogs, Fleas, & Painted Cubes
8th	algebraic expressions, coordinate graphs, generate data tables, linear relationships, slope intercept form, identify patterns of change, modeling equations to use in real-world situations	exponents, exponential functions, solve algebraic equations, identify patterns of change, make predictions, modeling equations to use in real-world situations, recognize and use appropriate operations, drawings to model algebraic functions, conduct experiments to gather data, line of best fit, analyze x and y axis to identify variables	scientific notation, exponents, rounding, understanding and comparing large numbers, make predictions, counting trees, organized lists, conduct experiments to gather data	algebraic expressions, exponents, simplify like terms, solve algebraic equations, drawings to model algebraic functions, perimeter, area, parallel lines, expanded and factored form, irrational numbers (square roots), algebraic expressions, exponents, place value (rounding), coordinate graphs, solve algebraic equations, modeling equations to use in real-world situations	recognize and use appropriate operations to solve problems, perimeter, area, pythagorean theorem, parallel lines, perpendicular lines, analyze x and y axis to identify variables	exponents, coordinate graphs, generate data tables, quadratic functions, parabolas, lines of symmetry, expanded and factored form, solve algebraic equations, minimum and maximum points, x and y intercepts, identify patterns of change, drawings to model algebraic functions, perimeter, area, analyze x and y axis to identify variables

# Prairie Middle School

## Connected Math - Grade: 6th

Course Information	AUG/SEPT	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY/JUNE
	Prime Time		Shapes and Designs		Bits and Pieces I		Data About Us	Covering and Surrounding	
Standards & Content	<ul style="list-style-type: none"> <li>•Number Concept –Whole Numbers</li> <li>–Computation</li> <li>•Patterns, Connections, Algebra and Functions</li> <li>–Number Patterns</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Number Concept –Whole Numbers</li> <li>–Computation</li> <li>•Patterns, Connections, Algebra and Functions</li> <li>–Number Patterns</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Geometry</li> <li>•Measurement</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Geometry</li> <li>•Measurement</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Number Concept</li> <li>•Patterns, Connections, Algebra and Functions</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Number Concept</li> <li>•Patterns, Connections, Algebra and Functions</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Data, Analysis, Statistics and probability</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Data, Analysis, Statistics and probability</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Geometry</li> <li>•Measurement</li> <li>•Problem Solving</li> </ul>
Concepts & Skills	<ul style="list-style-type: none"> <li>•Factors</li> <li>•Multiples</li> <li>•LCM</li> <li>•GCF</li> <li>•Prime Numbers</li> <li>•Composite Numbers</li> <li>•Square Numbers</li> <li>•Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>•Even/Odd Numbers</li> <li>•Fundamental Theorem of Arithmetic</li> <li>•Whole Numbers</li> <li>•Addition</li> <li>•Subtraction</li> <li>•Multiplication</li> <li>•Division</li> </ul>	<ul style="list-style-type: none"> <li>•Polygons</li> <li>•Estimating and Measuring Angles</li> <li>•Tilings</li> <li>•Tesselations</li> <li>•Shapes</li> </ul>	<ul style="list-style-type: none"> <li>•Symmetry</li> <li>•Properties of Figures</li> <li>•Finding Missing Angle</li> <li>Measurements of Triangles and Quadrilaterals</li> </ul>	<ul style="list-style-type: none"> <li>•Fractions</li> <li>•Percents</li> <li>•Decimals</li> <li>•Equivalent Fractions</li> <li>•Compare/Order Fractions</li> <li>•Estimate</li> </ul>	<ul style="list-style-type: none"> <li>•Fraction Parts of a Whole</li> <li>•Quantities</li> <li>•Measures</li> <li>•Fractions as Division</li> <li>•Adding/Subtracting Fractions</li> <li>•Adding/Subtracting Decimals</li> </ul>	<ul style="list-style-type: none"> <li>•Types of Data</li> <li>•Using Graphs</li> <li>•Looking at Data</li> <li>•Finding Mean, Median, Mode, and Range</li> </ul>	<ul style="list-style-type: none"> <li>•Posing the question</li> <li>•Collect the data</li> <li>•Analyze data</li> <li>•Interpret results</li> </ul>	<ul style="list-style-type: none"> <li>•Perimeter</li> <li>•Area</li> <li>•Circumference</li> <li>•Circles</li> <li>•Squares</li> <li>•Triangles</li> <li>•Rectangles</li> <li>•Odd Shapes</li> <li>•Parallelogram</li> </ul>
Major Assessments and Projects	<ul style="list-style-type: none"> <li>•Pre-Assessment</li> <li>•Check-up #1</li> </ul>	<ul style="list-style-type: none"> <li>•Quiz B</li> <li>•Check-up #2</li> <li>•Special Number Project</li> <li>•Post-Assessment</li> </ul>	<ul style="list-style-type: none"> <li>•Pre-Assessment</li> <li>•Check-up #1</li> </ul>	<ul style="list-style-type: none"> <li>•Check-up #2</li> <li>•Shapes and Designs Project</li> <li>•Post-Assessment</li> </ul>	<ul style="list-style-type: none"> <li>•Pre-Assessment</li> <li>•Check-up #1</li> <li>•Fraction Quiz</li> </ul>	<ul style="list-style-type: none"> <li>•Check-up #2</li> <li>•Unit Test</li> <li>•Post-Assessment</li> </ul>	<ul style="list-style-type: none"> <li>•Pre-Assessment</li> <li>•Check-up #1</li> <li>•Quiz</li> </ul>	<ul style="list-style-type: none"> <li>•Check-up #2</li> <li>•Post-Assessment</li> </ul>	<ul style="list-style-type: none"> <li>•Pre-assessment</li> <li>•Check-up #1</li> <li>•Quiz A</li> <li>•Check-up #2</li> <li>•Quiz B</li> <li>•Post-Assessment</li> </ul>

## Prairie Middle School

### Connected Math - Grade: 7th

Month (s)	Start of school-mid Oct.	mid Oct.-mid Dec.	mid December-January	February-early March	early March-late April	late April-end of school
Book Title	Bits and Pieces II	Variables and Patterns	Comparing and Scaling	Accentuate the Negative	How Likely Is It?	Filling and Wrapping
Standards & Content	Number Concept and Numeration ***** Math Problem Solving	Patterns, Connections, Algebra and Functions ***** Math Problem Solving	Number Concept and Numeration ***** Math Problem Solving	Number Concept and Numeration ***** Patterns, Connections, Algebra, and Functions ***** Math Problem Solving	Data, Analysis, Statistics, and Probability ***** Math Problem Solving	Measurement ***** Geometry ***** Math Problem Solving
Concepts & Skills	1. Concepts of numbers Fractions, decimals, and percents Comparison and ordering of fractions, decimals, and percents 2. Computation *Develop and analyze algorithms for computing with fractions, decimals, and percents *Estimation strategies	1. Understands patterns, relations, and functions *Represent and analyze patterns with tables, graphs, words, and equations. *Relate and compare different representations of a pattern 2. Use algebraic symbols to solve mathematical problems *Develop and understand different uses of variables 3. Recognize and use connections among mathematical ideas	1. Concept of numbers Fractions, decimals, and percents *Use of ratios 2. Computation and making reasonable estimates *Estimation strategies Scaling and equivalent ratios	1. Concepts of numbers *Represent and compare values with integers 2. Computation and making reasonable estimates *Develop and analyze algorithms for computing integers ***** 1. Understand patterns, relations, and functions *Represent and analyze patterns with tables, graphs, words, and equations	1. Collect, organize, and display relevant data 2. Use appropriate statistical methods to analyze data 3. Make inferences, predictions, and decisions based on data 4. Understand and use basic concepts of probability *Possible and probable *Organize all possible outcomes *Determine probabilities mathematically *Make predictions on equally and unequally likely events	1. Measurement techniques, tools, and formulas *Select appropriate methods for measuring irregular objects *Find area, circumference, and perimeter of 2-dimensional figures *Develop strategies to determine surface area and volume of selected 3-dimensional figures *Solve problems involving scale factors ***** 1. Analyze characteristics and properties of 2- and 3-dimensional shapes 2. Use geometric models to solve problems *Draw geometric objects with specific properties such as area, perimeter, volume
Major Assessments & Projects	Check Up Quiz-book Quiz-Computation of Fractions Unit Test	Check Up Quiz Unit Test	Check Up 1 Check Up 2 Quiz Unit Test	Check Up 1 Check Up 2 Quiz Unit Test	Check Up 1 Check Up 2 Quiz Unit Test	Check Up Quiz Unit Test



**Prairie Middle School**  
**Accelerated Math - Grade: 6/7/8**

	Aug/Sept/Oct	Nov/Dec	Jan/Feb	Mar	April	May/June
<b>Book Title</b>	<b>Prime Time</b>	<b>Shapes and Designs</b>	<b>Bits &amp; Pieces 1</b>	<b>Data About Us</b>	<b>Covering &amp; Surrounding</b>	<b>Bits &amp; Pieces II</b>
6th	<ul style="list-style-type: none"> <li>•Factors</li> <li>•LCM</li> <li>•Prime Numbers</li> <li>•Composite Numbers</li> <li>•Square Numbers</li> <li>•Problem Solving</li> <li>•Even/Odd Numbers</li> <li>•Fundamental Theorem of Arithmetic</li> <li>•Whole Numbers</li> <li>•Addition</li> <li>•Subtraction</li> <li>•Multiplication</li> <li>•Division</li> </ul>	<ul style="list-style-type: none"> <li>•Polygons</li> <li>•Estimating and Measuring Angles</li> <li>•Tilings</li> <li>•Tesselations</li> <li>•Symmetry</li> <li>•Properties of Figures</li> <li>•Finding Missing Angle</li> <li>•Measurements of Triangles and Quadrilaterals</li> </ul>	<ul style="list-style-type: none"> <li>•Fractions</li> <li>•Decimals</li> <li>Fractions</li> <li>•Compare/Order Fractions</li> <li>•Estimate with fractions</li> <li>•Fraction Parts of a Whole</li> <li>•Measures as Division</li> <li>•Adding/Subtracting Fractions</li> <li>•Adding/Subtracting Decimals</li> </ul>	<ul style="list-style-type: none"> <li>•Types of Data</li> <li>•Using Graphs</li> <li>•Looking at Data</li> <li>•Finding Mean, Median, Mode, and Range</li> <li>•Posing the question</li> <li>•Collect the data</li> <li>•Analyze data</li> <li>•Interpret results</li> </ul>	<ul style="list-style-type: none"> <li>•Perimeter</li> <li>•Circumference</li> <li>•Circles</li> <li>•Squares</li> <li>•Triangles</li> <li>•Rectangles</li> <li>•Odd Shapes</li> <li>•Parallelogram</li> </ul>	<ul style="list-style-type: none"> <li>•Area</li> <li>•Number Concept and Numeration</li> <li>•Problem Solving</li> </ul>
	Aug/Sept/Oct	Oct/Nov/Dec	Dec/Jan	Feb/Mar	March/April	April/May/June
<b>Book Title</b>	<b>How Likely Is It?</b>	<b>Variables and Patterns</b>	<b>Comparing and Scaling</b>	<b>Accentuate the Negative</b>	<b>Filling and Wrapping</b>	<b>Moving Straight Ahead</b>
7th	<ol style="list-style-type: none"> <li>1. Collect, organize, and display relevant data</li> <li>2. Use appropriate statistical methods to analyze data</li> <li>3. Make inferences, predictions, and decisions based on data</li> <li>4. Understand and use basic concepts of probability</li> </ol> <ul style="list-style-type: none"> <li>*Possible and probable</li> <li>*Organize all possible outcomes</li> </ul>	<ol style="list-style-type: none"> <li>1. Understands patterns, relations, and functions</li> <li>*Represent and analyze patterns with tables, graphs, words, and equations.</li> <li>*Relate and compare different representations of a pattern</li> <li>2. Use algebraic symbols to solve mathematical problems</li> <li>*Develop and understand different uses of variables</li> </ol>	<ol style="list-style-type: none"> <li>1. Concept of numbers Fractions, decimals, and percents</li> <li>*Use of ratios</li> <li>2. Computation and making reasonable estimates</li> <li>*Estimation strategies</li> <li>Scaling and equivalent ratios</li> </ol>	<ol style="list-style-type: none"> <li>1. Concepts of numbers</li> <li>*Represent and compare values with integers</li> <li>2. Computation and making reasonable estimates</li> <li>*Develop and analyze algorithms for computing integers</li> <li>*****</li> <li>1. Understand patterns, relations, and functions</li> <li>*Represent and analyze patterns with tables.</li> </ol>	<ol style="list-style-type: none"> <li>1. Measurement techniques, tools, and formulas</li> <li>*Select appropriate methods for measuring irregular objects</li> <li>*Find area, circumference, and perimeter of 2-dimensional figures</li> <li>*Develop strategies to determine surface area and volume of selected 3-dimensional figures</li> <li>*Solve problems involving</li> </ol>	algebraic expressions, coordinate graphs, generate data tables, linear relationships, slope intercept form, identify patterns of change, modeling equations to use in real-world situations
<b>Algebra I Book</b>	<b>Aug/Sept/Oct</b>	<b>Oct/Nov</b>	<b>Nov/Dec</b>	<b>Jan/Feb</b>	<b>Feb/Mar/Apr</b>	<b>April/May/June</b>
8th	algebraic expressions, real numbers, operations, equivalent expressions, properties, coordinate graphing, linear functions, relations, diagrams, tables, graphing	algebraic expressions, real numbers, solving linear equations, distributive property, ratios and proportions, percents, experimental probability, predicting outcomes	coordinate graphs, linear functions, slope, y-intercept, parallel, perpendicular, direct and inverse variation, tables, graphing	absolute value, number lines, solving inequalities, relations, writing algebraic equations	algebraic expressions, systems of equations and inequalities, graphing, substitution, elimination, diagrams	scientific notation, properties of exponents, polynomials, operations, terms and degrees, factorization, quadratics, algebraic expressions, graphing parabolas, quadratics, solving equations, pythagorean theorem, distance formula

# Prairie Middle School

## Accelerated Math - Grade: 6th

Month (s)	AUG/SEPT/OCT	NOVEMBER/DECEMBER	JANUARY/FEBRUARY	MARCH	APRIL	MAY/JUNE
Book Title	Prime Time	Shapes and Designs	Bits & Pieces I	Data About Us	Covering & Surrounding	Bits & Pieces II
Standards & Content	Number Concept –Whole Numbers –Computation Patterns, Connections, Algebra and Functions –Number Patterns Problem Solving	•Geometry •Measurement •Problem Solving	•Number Concept •Patterns, Connections, Algebra and Functions •Problem Solving	•Data, Analysis, Statistics and probability •Problem Solving	•Geometry •Measurement •Problem Solving	•Number Concept and Numeration •Problem Solving
Concepts & Skills	•Factors •Multiples •LCM •GCF •Prime Numbers •Composite Numbers •Square Numbers •Problem Solving •Even/Odd Numbers •Fundamental Theorem of Arithmetic •Whole Numbers •Addition •Subtraction •Multiplication •Division	•Polygons •Estimating and Measuring Angles •Tilings •Tesselations •Symmetry •Properties of Figures •Finding Missing Angle Measurements of Triangles and Quadrilaterals	•Fractions •Percents •Decimals •Equivalent Fractions •Compare/Order Fractions •Estimate with fractions •Fraction Parts of a Whole •Quantities •Measures •Fractions as Division •Adding/Subtracting Fractions •Adding/Subtracting Decimals	•Types of Data •Using Graphs •Looking at Data •Finding Mean, Median, Mode, and Range •Posing the question •Collect the data •Analyze data •Interpret results	•Perimeter •Area •Circumference •Circles •Squares •Triangles •Rectangles •Odd Shapes •Parallelogram	•Fractions, decimals, and percents •Comparison and ordering of fractions, decimals, and percents •Computation •Develop and analyze algorithms for computing with fractions, decimals, and percents •Estimation strategies
Major Assessments & Projects	•Pre-Assessment •Check-up #1 •Quiz B •Check-up #2 •Special Number Project •Post-Assessment	•Pre-Assessment •Check-up #1 •Check-up #2 •Shapes and Designs Project •Post- Assessment	•Pre-Assessment •Check-up #1 •Fraction Quiz •Check-up #2 •Unit Test •Post-Assessment	•Pre-Assessment •Check-up #1 •Quiz •Check-up #2 •Post- Assessment	•Pre-assessment •Check-up #1 •Quiz A •Check-up #2 •Quiz B •Post-Assessment	•Check Up •Quiz-book •Quiz-Computation of Fractions •Unit Test

# Prairie Middle School

## Accelerated Math - Grade: 7th

Month (s)	Start of school-mid Oct.	mid Oct.-mid Dec.	mid December-January	February-early March	early March-late April	late April-end of school
Book Title	How Likely Is It?	Variables and Patterns	Comparing and Scaling	Accentuate the Negative	Filling and Wrapping	Moving Straight Ahead
Standards & Content	Data, Analysis, Statistics, and Probability ***** * Mathematics Problem Solving	Number Concept and Numeration ***** Math Problem Solving	Number Concept and Numeration ***** Math Problem Solving	Number Concept and Numeration ***** * Patterns, Connections, Algebra, and Functions ***** * Math Problem Solving	Measurement ***** * Geometry ***** * Mathematics Problem Solving	Number Sense - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures - Data Analysis, Statistics and Probability
Concepts & Skills	1. Collect, organize, and display relevant data 2. Use appropriate statistical methods to analyze data 3. Make inferences, predictions, and decisions based on data 4. Understand and use basic concepts of probability *Possible and probable *Organize all possible outcomes *Determine probabilities mathematically *Make predictions on equally and unequally likely events	1. Understands patterns, relations, and functions *Represent and analyze patterns with tables, graphs, words, and equations. *Relate and compare different representations of a pattern 2. Use algebraic symbols to solve mathematical problems *Develop and understand different uses of variables 3. Recognize and use connections among mathematical ideas	1. Concept of numbers Fractions, decimals, and percents *Use of ratios 2. Computation and making reasonable estimates *Estimation strategies Scaling and equivalent ratios	1. Concepts of numbers *Represent and compare values with integers 2. Computation and making reasonable estimates *Develop and analyze algorithms for computing integers ***** * 1.Understand patterns, relations, and functions *Represent and analyze patterns with tables, graphs, words, and equations	1. Measurement techniques, tools, and formulas *Select appropriate methods for measuring irregular objects *Find area, circumference, and perimeter of 2-dimensional figures *Develop strategies to determine surface area and volume of selected 3-dimensional figures *Solve problems involving scale factors ***** * 1. Analyze characteristics and properties of 2- and 3-dimensional shapes 2. Use geometric models to solve problems *Draw geometric objects with specific properties such as area, perimeter, volume	algebraic expressions, coordinate graphs, generate data tables, linear relationships, slope intercept form, identify patterns of change, modeling equations to use in real-world situations
Major Assessments & Projects	Check Up 1 Check Up 2 Quiz Unit Test	Check Up Quiz-book Quiz-Computation of Fractions Unit Test	Check Up 1 Check Up 2 Quiz Unit Test	Check Up 1 Check Up 2 Quiz Unit Test	Check Up Quiz Unit Test	Unit Test

# Prairie Middle School

## Algebra - Grade: 8th

Course Information	AUG/SEPT	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY/JUNE
	Content -- Skills -- Assessments					Content -- Skills -- Assessments			
Standards & Content	Numeration - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures	Numeration - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures - Data Analysis, Statistics and Probability	Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures	Numeration - Patterns, Connections, Algebra and Functions	Numeration - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures	Numeration - Patterns, Connections, Algebra and Functions	Numeration - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures	Numeration - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures - Geometry	Numeration - Patterns, Connections, Algebra and Functions - Math Problem Solving Procedures - Geometry - Data, Analysis, Statistics and Probability
Concepts & Skills	algebraic expressions, real numbers, operations, equivalent expressions, properties, coordinate graphing, linear functions, relations, diagrams, tables, graphing	algebraic expressions, real numbers, solving linear equations, distributive property, ratios and proportions, percents, experimental probability, predicting outcomes	coordinate graphs, linear functions, slope, y-intercept, parallel, perpendicular, direct and inverse variation, tables, graphing	absolute value, number lines, solving inequalities, relations, writing algebraic equations	algebraic expressions, systems of equations and inequalities, graphing, substitution, elimination, diagrams	scientific notation, properties of exponents, polynomials, operations, terms and degrees, factorization, quadratics	algebraic expressions, graphing parabolas, quadratics	algebraic expressions, solving equations, graphing	pythagorean theorem, distance formula
Major Assessments & Projects	Chapter Test Chapter Test	Chapter Test Chapter Test	Chapter Test	Chapter Test	Chapter Test	Chapter Test Chapter Test	Chapter Test		Chapter Test Chapter Test