

Math Yr 1 - Math 6							
	Integers & Coordinate Plane	Operations with Fractions and Practical Problems with Decimals & Comparing Fractions, Decimals, and Percents.	Ratio and Proportional Reasoning	Equations & Inequalities	Geometry 1-2: Perimeter, Area, Circles, Polygons & Congruence	Circle Graphs and Measures of Center	Decision Making
Summative Assessments	Math 6 Unit Test	Math 6 Unit Test Food Pyramid Project	Math 6 Unit 3 Quiz and Test	Math 6 Unit Quiz and Test	Math 6 Quiz	Survey Project	Budget Project
<b>Criterion A: Knowing and understanding</b>							
i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations	X	X			X		
ii. apply the selected mathematics successfully when solving problems	X	X			X		
iii. solve problems correctly in a variety of contexts.	X	X			X		
<b>Criterion B: Investigating patterns</b>							
i. apply mathematical problem-solving techniques to recognize patterns			X	X			
ii. describe patterns as relationships or general rules consistent with correct findings			X	X			
iii. verify whether the pattern works for other examples.			X	X			
<b>Criterion C: Communicating</b>							
i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written statements				X		X	X
ii. use appropriate forms of mathematical representation to present information				X		X	X
iii. communicate coherent mathematical lines of reasoning				X		X	X
iv. organize information using a logical structure				X		X	X
<b>Criterion D: Applying mathematics in real-life contexts</b>							
i. identify relevant elements of authentic real-life situations			X		X	X	X
ii. select appropriate mathematical strategies when solving authentic real-life situations			X		X	X	X
iii. apply the selected mathematical strategies successfully to reach a solution	X	X	X		X	X	X
iv. explain the degree of accuracy of a solution						X	X
v. describe whether a solution makes sense in the context of the authentic real-life situation.					X	X	X

## Math Yr 1 (6th Grade) - Pre-Algebra

Objectives/Unit	Integer Operations and Coordinate Plane	Expressions, Equations, and Inequalities	Ratios, Proportional Reasoning & Linear Functions	Real Numbers and Coordinate Plane and Transformation	Geometry	Probability	Data and Statistics
Summative Assessments	Unit Test	Unit Test Pattern Recognition Activity	Functions Test	Unit Test	Geometry Test	Unit Test	Unit Test
<b>Criterion A: Knowing and understanding</b>							
i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations	X	X	X	X		X	X
ii. apply the selected mathematics successfully when solving problems	X	X	X	X		X	X
iii. solve problems correctly in a variety of contexts.	X	X	X	X		X	X
<b>Criterion B: Investigating patterns</b>							
i. apply mathematical problem-solving techniques to recognize patterns		X					X
ii. describe patterns as relationships or general rules consistent with correct findings		X					X
iii. verify whether the pattern works for other examples.		X					X
<b>Criterion C: Communicating</b>							
i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written statements				X		X	
ii. use appropriate forms of mathematical representation to present information				X		X	
iii. communicate coherent mathematical lines of reasoning				X		X	
iv. organize information using a logical structure				X		X	
<b>Criterion D: Applying mathematics in real-life contexts</b>							
i. identify relevant elements of authentic real-life situations	X		X	X		X	
ii. select appropriate mathematical strategies when solving authentic real-life situations				X		X	
iii. apply the selected mathematical strategies successfully to reach a solution				X		X	
iv. explain the degree of accuracy of a solution				X		X	
v. describe whether a solution makes sense in the context of the authentic real-life situation.				X		X	

**Math Yr 2 (7th Grade) - Math 7**

Year 1 Objectives/Unit	Rational Number Sense	Expressions, Equations, and Inequalities	Proportional Reasoning	Slope and Linear Functions	Probability and Statistics	Volume and Surface Area	Powers of 10 and Scientific Notation	Quadrilaterals	Transformations
	Unit Test	Unit Test Pattern Recognition	Math Poster	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test
<b>Summative Assessments</b>									
<b>Criterion A: Knowing and understanding</b>									
i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations	X	X	X	X	X	X	X	X	X
ii. apply the selected mathematics successfully when solving problems	X	X	X	X	X	X	X	X	X
iii. solve problems correctly in a variety of contexts.	X	X	X	X	X	X	X	X	X
<b>Criterion B: Investigating patterns</b>									
i. select and apply mathematical problem-solving techniques to discover complex patterns	X	X			X		X	X	
ii. describe patterns as relationships and/or general rules consistent with findings	X	X			X		X	X	
iii. verify and justify relationships and/or general rules.	X	X			X		X	X	
<b>Criterion C: Communicating</b>									
i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written explanations				X		X	X	X	
ii. use appropriate forms of mathematical representation to present information				X		X	X	X	
iii. move between different forms of mathematical representation				X		X	X	X	
iv. communicate complete and coherent mathematical lines of reasoning				X		X	X	X	
v. organize information using a logical structure.				X		X	X	X	
<b>Criterion D: Applying mathematics in real-life contexts</b>									
i. identify relevant elements of authentic real-life situations				X					X
ii. select appropriate mathematical strategies when solving authentic real-life situations				X					X
iii. apply the selected mathematical strategies successfully to reach a solution				X					X
iv. explain the degree of accuracy of a solution				X					X
v. explain whether a solution makes sense in the context of the authentic real-life situation.				X					X

## Math Yr 1-3 (6th-8th Grade) - Algebra

Objectives/Unit	Expressions and Laws of Exponents/ Functions	Writing and Graphing Linear Equations/Functions	Systems of Equations	Linear Inequalities and Systems of Inequalities	Radicals	Polynomials and Factoring	Quadratics	Geometry
<b>Summative Assessment</b>	Unit Test Pattern Recognition Task	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test
<b>Criterion A: Knowing and understanding</b>								
i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations	X	X		X	X		X	X
ii. apply the selected mathematics successfully when solving problems	X	X		X	X		X	X
iii. solve problems correctly in a variety of contexts.	X	X		X	X		X	X
<b>Criterion B: Investigating patterns</b>								
i. select and apply mathematical problem-solving techniques to discover complex patterns	X	X		X	X			
ii. describe patterns as relationships and/or general rules consistent with findings	X	X		X	X			
iii. verify and justify relationships and/or general rules.	X	X		X	X			
<b>Criterion C: Communicating</b>								
i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written explanations			X			X		
ii. use appropriate forms of mathematical representation to present information			X			X		
iii. move between different forms of mathematical representation			X			X		
iv. communicate complete and coherent mathematical lines of reasoning			X			X		
v. organize information using a logical structure.			X			X		
<b>Criterion D: Applying mathematics in real-life contexts</b>								
i. identify relevant elements of authentic real-life situations			X			X	X	X
ii. select appropriate mathematical strategies when solving authentic real-life situations			X			X	X	X
iii. apply the selected mathematical strategies successfully to reach a solution			X			X	X	X
iv. explain the degree of accuracy of a solution			X			X	X	X
v. explain whether a solution makes sense in the context of the authentic real-life situation.			X			X	X	X

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**Math Yr 3 (8th Grade) - Geometry**

Objectives/Unit	Geometry Basics & Logic	Introduction to Proofs	Parallel Lines	Congruent Triangles	Relationships in Triangles	Similar Triangles	Right Triangles & Trigonometry	Quadrilaterals & Polygons	Circles	Area and Volume	Coordinate Geometry & Transformations	Constructions
<b>Summative Assessment</b>	Advertising Slogan Analysis Unit Test	Unit Test Proofs	Discovering Parallel Lines Unit Test Proofs	Unit Test Why "SSA" doesn't work presentation	Discovering Triangle Inequalities Unit Test	Unit Test Proofs	Discovering Trig & Converse of Pythagorean Theorem Unit Test Real World Trig Project	Discovering Properties of Polygons Unit Test Proofs	Unit Test Proofs	Unit Test Origins & Explanations of Area & Volume Formulas	Discovering Distance, Midpoint, and Equation of a Circle Unit Test Coordinate Proofs	Unit Test Construction Project
<b>Criterion A: Knowing and understanding</b>												
i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations	X	X	X	X	X	X	X	X	X	X	X	X
ii. apply the selected mathematics successfully when solving problems	X	X	X	X	X	X	X	X	X	X	X	X
iii. solve problems correctly in a variety of contexts.	X	X	X	X	X	X	X	X	X	X	X	X
<b>Criterion B: Investigating patterns</b>												
i. select and apply mathematical problem-solving techniques to discover complex patterns			X	X	X		X	X				
ii. describe patterns as relationships and/or general rules consistent with findings			X	X	X		X					
iii. verify and justify relationships and/or general rules.			X	X	X		X					
<b>Criterion C: Communicating</b>												
i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written explanations		X	X			X		X	X		X	
ii. use appropriate forms of mathematical representation to present information		X	X			X		X	X		X	
iii. move between different forms of mathematical representation		X	X			X		X	X		X	
iv. communicate complete and coherent mathematical lines of reasoning						X		X	X		X	
v. organize information using a logical structure.						X		X	X		X	
<b>Criterion D: Applying mathematics in real-life contexts</b>												
i. identify relevant elements of authentic real-life situations	X			X			X			X		X
ii. select appropriate mathematical strategies when solving authentic real-life situations	X			X			X			X		X
iii. apply the selected mathematical strategies successfully to reach a solution	X			X			X			X		X
iv. explain the degree of accuracy of a solution	X			X			X			X		X
v. explain whether a solution makes sense in the context of the authentic real-life situation.	X			X			X			X		X