8th Grade Mathematics Syllabus

	Revised May 2016		
1 ST BENCHMARK	MATH LAB	2 ND BENCHMARK	MATH LAB
Chapter 1- Equation Solving	Chapter 2 - Transformations	Chapter 4- Graphing and	Chapter 7- Real Numbers and
(8.EE 7, 8.EE 7, a, b)	(8.G.1 a-c, 8.G.2, 8.G3, 8.G.4)	Writing Linear Equations	the Pythagorean Theorem
		<u>(8.EE.5., 8.EE.6, 8.F.4)</u>	(8.NS.1, 8.NS2, 8.EE2, 8.G6,
1.1 Solving Simple Equations			<u>8.G7, 8.G.8)</u>
1.2 Solving Multi Stop Equations	2.1 Congruent figures	4.1 Graphing Linear Equations	7.1 Finding Square Doots
1.2 Solving Multi-Step Equations	2.3 Reflections	4.2 Slope of a Line (from a graph	7.1 Finding Square Roots
1.3 Solving Equations with Varia-	2.5 Reflections	4.2 Slope of a Line (from a graph, two points, T.O.V.)	7.2 Finding Cube Roots
bles on Both Sides (include	2.4 Rotations		7.2 Finding Cube Roots
Identity and No Solution)	2.4 Rotations	4.3 Graphing Proportional Rela-	7.3 Pythagorean Theorem
Identity and No Solution)	2.5 Similar Figures	tionships	7.5 Fythagorean Theorem
1.4 Rewriting Equations and For-	2.5 Shimar Figures	tionships	7.4 Approximating Square Roots
mulas (Literal Equations)	2.6 Perimeter and area of similar	4.4 Graphing Linear Equations in	7.4 Approximating Square Roots
indias (Eneral Equations)	figures	Slope Intercept Form	7.5 Using Pythagorean Theorem
	inguies	Stope intercept i offit	7.5 Osing I yulugorean Theorem
	2.7 Dilations	4.6 Writing Equations in Slope-	Chapter 8 - Volume and Similar
		Intercept Form	Solids (8.G.9)
	2.2 Translations	F	
		4.5 Graphing Linear Equations in	8.1 Volume of Cylinders
	Chapter 3 - Angles and	Standard Form	, and the system of the system
	Triangles (8.G.5)		8.2 Volume of Cones
		4.7 Writing Equations in Point-	
	3.1 Parallel lines and Transversals	Slope Form	8.3 Volume of Spheres
		L L	1
	3.2 Angles of Triangles	Chapter 5- Systems of Equations	8.4 Surface Areas and Volumes of
		(8.EE.8a-c, 8.EE.7)	Similar Solids
	3.3 Angles of Polygons		
		5.1 Solving Systems of Equations	
	3.4 Using Similar Triangles	by Graphing	
		5.2 Solving Systems of Equations	
		by Substitution	
		5.3 Solving Systems of Equations	
		by Elimination	
		5.4 Solving Special Systems of	
		Linear Equations	
		Linear Equations	

3 rd Benchmark	MATH LAB	4 th Benchmark	MATH LAB
Chapter 6- Functions	Chapter 9 - Data Analysis and		<u>Finance</u>
(8.F.1, 8.F.2, 8.F.3, 8.F.4, 8.F.5)	<u>Displays</u> (8.SP1, 8.SP2, 8.SP3, 8.SP.4)	Polynomials (Adding, Subtracting, Multiplying)	% s
6.1 Relations and Functions			Sales Tax
6.2 Representations of Functions	9.1 Scatter Plots9.2 Lines of Best Fit	GCF of Monomials/division Factoring with a Leading	Witholding Taxes (Definition and Rationale)
6.3 Linear Functions	9.3 Two Way Tables	Coefficient of 1	W-2
6.4 Comparing Linear and Non- linear Functions	9.4 Chosing a Data Display	Factoring Special Cases	Working Papers
6.5 Analyzing and Sketching Graphs			Labor
			% which gives you the best deal
Chapter 10- Exponents and Scientific Notation			Open-ended question
(8.EE.1, 8.EE.3, 8.EE.4)			
10.1 Exponents			
10.2 Product of Powers Property			
10.3 Quotient of Powers Property			
10.4 Zero and Negative Exponents			
10.5 Reading Scientific Notation			
10.6 Writing Scientific Notation			
10.7 Operations in Scientific Nota-			
tion			