Math TEKS for 3rd Grade: 2013-2014

Primary Areas of Focus: Place Value, Operations of Whole Numbers, and Fractional Units
Cat. 1: Apply Place Value & Compare/Order Whole Numbers, Connect Multiplication/Division, Understand/Represent Fra
Cat. 2: Use multiple representations of problem situations, determine missing values, Use number pairs in a table.
Cat. 3: Identify & classify 2-D figures
Cat. 4: Decompose figures to determine Area, Solve Perimeter, Solve for Time, Measure liquid volume (capacity) or weig
Cat. 5: Represent & Interpret Data
Note: Statements that contain "including" reference content that must be mastered, while "such as" are intended as possible illustrative examples.

Underlying Processes & Mathematical Tools

OCESS: (8 TEKS) *Incorporated into 75% of test questions* 8-Week Periods:			1st	2nd	3rd	4th
3.14A	*	Identify Math in Everyday Life Situations				
3.14B	*	Problem Solving Model - 1) Analyze Info, 2) Make a plan, 3) Solve, 4) Justify, & 5) Evaluate the process				
3.14C	*	Select or Develop Problem-Solving Strategy: 1) Draw, 2) Find Pattern, 3) Guess/Check, 4) Acting, 5) Make a Table, 6) Work Simpler Problem, 7) Work Backwards				
3.14D	*	Use Tools such as real objects, manipulatives,& technology to solve problems				
3.15A	*	Explain & Record observations using objects, words, pictures, numbers, & technology				
3.15B	*	Relate informal language to math language & symbols				
3.16A	*	Make generalizations from patterns or sets of examples & non-examples				
3.16B	*	Justify why an answer is reasonable and explain the solution process				

Category 1: Numbers, Operations, & Quantitative Reasoning

CONTENT: (28 TEKS) 8-Week Periods:			1st	2nd	3rd	4th
Place Value						
3.1A	S	Use Place Value to read, write (in symbols & words) & describe whole #s through 999,999.				
3.1B	S	Use Place Value to compare & order whole numbers through 9,999.				
3.1C	S	Determine the value of a collection of coins and bills.				
Fractions						
3.2C	R	Use fraction names/symbols to describe fractional parts of whole objects or sets of objects				
Addition & Subtraction						
3.3A	S	Model addition & subtraction using pictures, words, & numbers				
3.3B	R	Select add/subtract & use operation to solve problems involving #s up to 999.				
Multiplication & Division						
3.4A	S	Learn & Apply multiplication facts through 12 by 12 using objects/pictures				
3.4B	R	Solve and record multiplication problems (2 digit by 1 digit)				
3.4C	R	Use models to solve division problems and use number sentences to record solution.				
Estimation						
3.5A	S	Round whole #s to nearest 10 or 100 to approximate reasonable results.				
3.5B	S	Use strategies including rounding & compatible #s to estimate solutions to add/subtract problems.				

Category 2: Patterns, Relationships, & Algebraic Reasoning

Use Patterns to Solve Problems						
3.6A	S	Identify & extend whole # & geometric patterns to make predictions & solve problems				
3.6B	S	Identify patterns in multiplication facts using objects, models, or technology				
3.6C	S	Identify patterns in related multiplication & division sentences (fact families), such as 2X3=6, 3X2=6, 6/2=3, 6/3=2				
Use Lists, Tables, & Charts to Express Patterns & Relationships						
3.7A	S	Generate a table of paired #s based on real-life situations (ex. Insects & legs)				
3.7B	R	Identify & describe patterns in a table of related # pairs based on a meaningful problem & extend the table.				

CONTENT: (28 TEKS) 8-Week Periods:			1st	2nd	3rd	4th

Category 3: Geometry & Spatial Reasoning							
3.8A	**R**	Identify, classify, describe, & compare 2-D & 3-D geometric figures by their attributes using formal geometric vocabulary.					
3.9A	S	Identify congruent 2-D figures					
3.9C	S	Identify lines of symmetry in 2-D geometric figures					
3.10A	**R**	Locate & name points on a number line using whole #s & fractions (including halves & fourths)					
Category 4: Measurement							
Length, Area, Weight/Mass, & Capacity/Volume							
3.11A	S	Use linear measurement tools to estimate & measure lengths using standard units					
3.11B	**R**	Use standard units to find the perimeter of a shape					
3.11C	S	Use objects/pictures of square units to determine the area of a 2-D surface.					
Time & Temperature							
3.12A	S	Use a thermometer to measure temperature					
3.12B	S	Tell and write time using analog and digital clocks.					
Category 5: Probability & Statistics							
3.13A	**R**	Collect, organize, record, and display data in pictographs & bar graphs where each picture might represent more than one piece of data.					
3.13B	S	Interpret information from pictographs & bar graphs					
3.13C	S	Use data to describe events as more likely than, less likely than, or equally likely as.					

Summary of Readiness Standards (The Big Rocks) (9 of 28 TEKS)			
3.2C	**R**	Use fraction names/symbols to describe fractional parts of whole objects or sets of objects	Describe Fractions
3.3B	**R**	Select add/subtract & use operation to solve problems involving #s up to 999	Add & Subtract
3.4B	**R**	Solve and record multiplication problems (2 digit by 1 digit)	2 by 1 Multiplication
3.4C	**R**	Use models to solve division problems and use number sentences to record solution	Solve Division
3.7B	**R**	Identify & describe patterns in a table of related # pairs based on a meaningful problem & extend the table.	Identify Patterns & Extend Tables
3.8A	**R**	Identify, classify, describe, & compare 2-D & 3-D geometric figures by their attributes using formal geometric vocabulary.	2-D & 3-D Concepts
3.10A	**R**	Locate & name points on a number line using whole #s & fractions (including halves & fourths)	Use a Number Line
3.11B	**R**	Use standard units to find the perimeter of a shape	Find Perimeter
3.13A	**R**	Collect, organize, record, and display data in pictographs & bar graphs where each picture might represent more than one piece of data.	Use pictographs/bar graphs

*3-4 questions will be asked on each of these (approximately 28-30 of 46 question on STAAR test)

STAAR Test: Tuesday, April 22, 2014, **Last Day of School:** Friday, May 23