



Exeter Township School District

Kindergarten Math Curriculum Map

Grade Level: Kindergarten_____

Standard/Skill:	Qt1	Qt2	Qt3	Qt4	Notes and Resources
2.1.K. Number, Number Systems and Number Relationships					
2.1.K.A: Demonstrate the relationship between numbers and quantities, including rote counting, one-to-one correspondence, and counting by tens, and comparing values of whole numbers up to 20.	X	R	R	R	
2.1.K.B: Represent equivalent forms of the same number through the use of pictures and concrete objects (including penny, nickel, and dime), up to 20.		X	R	R	
2.1.K.C: Use concrete objects, drawings, diagrams or models to group objects into sets of ten; separate objects into equal parts.	X	R			
2.1.K.D: Use concrete objects to demonstrate regrouping ones to tens, with adult assistance.		X	R	R	
2.1.K.E: Recognize even and odd number patterns.				X	
2.1.K.F: Use concrete objects to solve addition and subtraction problems.			X	X	



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2.2.K: Computation and Estimation					
2.2.K.B: Represent and explain the results of adding and subtracting sets of objects up to and including ten, using math vocabulary			X	X	
2.2.K.D: Estimate how many objects are in a set/group up to and beyond twenty objects and conclude the reasonableness of those estimates.		X	R	R	
2.3.K: Measurement and Estimation					
2.3.K.A: Identify similarities and differences in measurement of objects.			X	R	
2.3.K.B: Use concrete objects as non-standard units to estimate and measure.			X		
2.3.K.F: Compare concrete objects to determine greater or lesser attributes (length, weight			X		



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2.4.K: Mathematical Reasoning and Connections					
2.4.K.A: Draw conclusions and describe thought process (es) (e.g., think aloud) related to problem solving situations.	X	X	X	X	
2.4.K.B: Use terms of logic to describe models (e.g., <i>all, or, every, none, some, or many</i>).	X	X	X	X	
2.5.K: Mathematical Problem Solving and Communication					
2.5.K.A: Solve a problem and explain how it was solved in grade appropriate contexts.	X	X	X	X	
2.5.K.B: Use appropriate mathematical vocabulary when explaining how to solve a problem.	X	X	X	X	



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2.6.K: Statistics and Data Analysis					
2.6.K.A: Gather data in response to questions posed to learners.	X	X	X	X	
2.6.K.B: Organize and display objects by one or more attributes.	X				
2.6.K.C: Answer questions based on data shown on graphs or charts	X	X	X	X	
2.6.K.D: Answer comparative questions based on representations of data.	X	X	X	X	
2.6.K.E: Draw conclusions about information shown on a graph or chart.	X	X	X	X	



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2.7.K: Probability and Predictions					
2.7.K.A: Determine the probability of an event occurring.				X	
2.7.K.B: Predict outcomes of events				X	
2.7.K.D: List or graph the possible results of an experiment, with adult assistance.				X	
2.7.K.E: Answer questions about predictions and actual outcomes based on data.				X	
2.8.K: Algebra and Functions					
2.8.K.A: Use concrete objects to demonstrate understanding of equal and not equal			X	R	



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2.8.K.B: Recreate and explain simple story problems using manipulatives.			X	X	
2.8.K.C: Recognize, describe, extend, replicate and transfer number and geometric patterns.		X	R	R	
2.8.K.D: Use a rule represented by concrete objects to find a missing value.		X	R	R	
2.8.K.E: Use concrete objects to represent mathematical situations.	X	X	X	X	
2.8.K.F: Describe data from classroom graphs and charts.		X	R	R	
2.9.K: Geometry					
2.9.K.A: Identify and describe common 2-dimensional shapes			X		



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2.9.K.B: Identify and draw lines of symmetry , with adult assistance.			X		
2.11.K: Concepts of Calculus					
2.11.K.A: Order whole numbers, 0 to 20, with least to greatest value.		X	R	R	

