

Course Name:	Kindergarten Math		
Credits:	N/A		
Prerequisites:	N/A		
Description:	Topics covered: numbers 0-100, sorting, classifying, adding, subtracting, measurement,		
Academic Standards:	Wisconsin State Standards in Mathematics (2011)		
Units:	Unit Length:	Unit Standards:	Unit Outcomes:
Numbers	60-65 days	KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, KCC.7, K.G.1-K.G.6, KNBT.1, K.OA.1-K.OA.4	Identify numbers 0-19, compare numbers 1-10, count and explore numbers to 100, and compare sets.
Classification and Sorting	20-25 days	KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, K.MD.1-K.MD.3, K.G.1-K.G.6, K.OA.1-K.OA.4	Sort and classify numbers, objects, and shapes, identify 2D shapes, identify 3D shapes
Measurement	10-12 days	K.CC.1, K.CC.2, K.CC.3, K.CC.4, K.CC.5, K.CC.6, K.MD.1-K.MD.3, K.OA.1-K.OA.4	Determine which object is the heaviest or lightest, compare objects by height, weight, and length using short, shorter, shortest, heavy, heavier, heaviest, long, longer, and longest.
Addition	20-25 days	K.CC.1, K.CC.2, K.CC.3, K.CC.4, K.CC.5, K.CC.6, K.MD.1-K.MD.3, K.OA.1-K.OA.4	Identify the addition sign, add numbers from 0 -10, solve addition story problems using manipulatives.
Subtraction to 10	10-12 days	K.CC.1, K.CC.2, K.CC.4, K.CC.5, K.CC.6, K.G.1-K.G.5, K.OA.1-K.OA.4	Identify the minus sign, subtract numbers from 0 -10, solve subtraction story problems using manipulatives.

Unit Name: Numbers	Length: 60-65 days
Standards: KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, KCC.7, K.G.1-K.G.6, KNBT.1, K.OA.1-K.OA.4	Outcomes: Identify numbers 0-19, compare numbers 1-10, count and explore numbers to 100, and compare sets.
Essential Questions: What number is this? How do you know a number/set is bigger than another? Smaller (less)? How can you tell if sets are equal?	Learning Targets: Students can identify numbers 0-20, compare numbers 1-10, count to 100, compare different groups and tell which group is greater, less than or equal.
Topic: Numbers 0-10	Length: 20-25 days
Standard(s): KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KOA.1-KOA.4	Academic Vocabulary: count, one, two, three, four, five, six, seven, eight, nine, ten
Lesson Frame:	I can count to 10.
Lesson Frame:	I can recognize and write numbers 1-10.
Lesson Frame:	I can order numbers 1-10.
Lesson Frame:	I can state the quantity of a set.
Performance Tasks: Make a number book, games	Notes: KinderMath Units 1 & 3
Topic: Comparing Numbers and Sets	Length: 20-25 days
Standard(s): KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, KCC.7, KNBT.1, KOA.1-KOA.4	Academic Vocabulary: count, quantity, compare, greater, less, same
Lesson Frame:	I can tell which number is bigger or smaller.
Lesson Frame:	I can tell which set has more or less.
Lesson Frame:	I can tell if two numbers or sets are equal.
Performance Tasks: Ten frames, games, projects	Notes: KinderMath Untis 4 & 9
Topic: Numbers 10-100	Length: 20-25 days
Standard(s): KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, KNBT.1, K.OA.1-K.OA.4, K.G.1-K.G.6	Academic Vocabulary: count, tens, ones, digits, pairs, twos, fives, tally
Lesson Frame:	I can count and understand a group of 10 or more.

Lesson Frame:	I can show numbers on a set of two ten frames.
Lesson Frame:	I can recognize and use pairs to assist in counting by 2's, 5's, and 10's.
Performance Tasks: ten frames, games, number charts	Notes: KinderMath Units 6 & 8

Unit Name: Classification and Sorting	Length: 20-25 days
Standards: KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, K.MD.1-K.MD.3, K.G.1-K.G.6, K.OA.1-K.OA.4	Outcomes: Sort and classify numbers, objects, and shapes, identify 2D shapes, identify 3D shapes.
Essential Questions: Which number/group is bigger? smaller? Which number/group has more? less? What would come next in this pattern? How do you know? Is this a 2D or a 3D shape? How do you know?	Learning Targets: Students can sort and classify numbers, objects, and shapes, identify 2D shapes, identify 3D shapes.
Topic: Sort and Classify	Length: 10-12 days
Standard(s): KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, K.MD.1-K.MD.3	Academic Vocabulary: alike, different, same, sort, pair, more, less, pattern
Lesson Frame:	I can recognize same and different.
Lesson Frame:	I can group into pairs or matches.
Lesson Frame:	I can sort by attributes.
Performance Tasks: Snap cubes, ten frames, games, projects	Notes: KinderMath Unit 2
Topic: 2D and 3D Shapes	Length: 10-12 days
Standard(s): KCC.1, KCC.2, KCC.3, KCC.4, KCC.5, KCC.6, K.G.1-K.G.6, K.OA.1-K.OA.4	Academic Vocabulary: cubes, cones, cylinders, spheres, sides, faces, triangle, circle, square, rectangle, hexagon, corners, vertices
Lesson Frame:	I can identify 2D shapes.
Lesson Frame:	I can identify 3D shapes.
Lesson Frame:	I can compare and sort 2D and 3D shapes.
Performance Tasks: Riddle cards, 3D and 2D shapes, games, projects	Notes: KinderMath Unit 7

Unit Name: Measurement	Length: 10-12 days
Standards: K.CC.1, K.CC.2, K.CC.3, K.CC.4, K.CC.5, K.CC.6, K.MD.1- K.MD.3, K.OA.1-K.OA.4	Outcomes: Determine which object is the heaviest or lightest, compare objects by height, weight, and length using short, shorter, shortest, heavy, heavier, heaviest, long, longer, and longest.
Essential Questions: Which object is heavier? Which object is lighter?	Learning Targets: Students can compare objects by height, weight, and length.
Topic: Measurement	Length: 10-12 days
Standard(s): K.CC.1, K.CC.2, K.CC.3, K.CC.4, K.CC.5, K.CC.6, K.MD.1- K.MD.3, K.OA.1-K.OA.4	Academic Vocabulary: bigger, smaller, mid-sized, same, longer, shorter, longest, shortest, length, taller, height, same as, tallest, weight, heavier, lighter, equal to, heaviest, lightest, capacity, holds more, holds less, holds the same, capacity
Lesson Frame:	I can compare two objects by height.
Lesson Frame:	I can compare two objects by length.
Lesson Frame:	I can compare two objects by weight.
Performance Tasks: games, projects, weight cards	Notes: Kindermath Unit 5

Unit Name: Addition	Length: 20-25 days
Standards: KCC.1, KCC.2, KCC.4, KCC.5, KCC.6, K.G.1-K.G.6, K.OA.1-K.OA.4	Outcomes: Identify the addition sign, add numbers from 0 -10, solve addition story problems using manipulatives.
Essential Questions: What information do you need to solve that problem? What would happen if? Can you explain that more?	Learning Targets: Students can identify the addition sign, add numbers from 0 -10 and solve addition story problems using manipulatives.
Topic: Addition to 10	Length: 10-12 days
Standard(s): KCC.1, KCC.2, KCC.4, KCC.6, K.OA.1-K.OA.4	Academic Vocabulary: combine, add
Lesson Frame:	I can combine sets of objects to make a number and understand all the possible sets up to that number.
Lesson Frame:	I can understand that addition is combining two sets of objects.
Lesson Frame:	I can practice and explore solving addition problems.
Performance Tasks: Playing cards, ten frames, number bonds, games, projects	Notes: KinderMath Unit 10
Topic: Addition with Word Problems	Length: 10-12 days
Standard(s): KCC.1, KCC.2, KCC.4, KCC.5, KCC.6, K.G.1-K.G.6, K.OA.1-K.OA.4	Academic Vocabulary: combine, add, equal
Lesson Frame:	I can understand addition is combining 2 sets of objects.
Performance Tasks: Playing cards, ten frames, number bonds, games, projects.	Notes: KinderMath Unit 11

Unit Name: Subtraction to 10	Length: 10-12 days
Standards: K.CC.1, K.CC.2, K.CC.4, K.CC.5, K.CC.6, K.G.1-K.G.5, K.OA.1-K.OA.4	Outcomes: Identify the minus sign, subtract numbers from 0 -10, solve subtraction story problems using manipulatives.
Essential Questions: What is a minus sign? What is the difference between numbers? Why does your answer make sense? How could you use this skill in real life? How could you use manipulatives to help you solve this subtraction problem?	Learning Targets: Students can identify the minus sign. Students can subtract up to 10. Students can use pictures and other manipulatives to help them subtract.
Topic 1: Subtraction to 10	Length: 10-12 days
Standard(s): K.CC.1, K.CC.2, K.CC.4, K.CC.5, K.CC.6, K.G.1-K.G.5, K.OA.1-K.OA.4	Academic Vocabulary: difference, left, minus, subtract
Lesson Frame:	I can subtract numbers up to 10.
Lesson Frame:	I can understand the name and use of the minus sign.
Lesson Frame:	I can solve subtraction word problems.
Performance Tasks: snap cubes, counters, games, projects, ten frames, five frames	Notes: KinderMath Unit 12