Grade 1 Math Curriculum
Unit 4
Canterbury Public Schools

Subject	Math
Grade Level	Grade 1
Unit Title	Numbers to 99
Unit Goals	{A} Add and subtract multiples of 10 Represent the base-10 structure of multiples of 10 up to 90 using towers of 10 drawings {B} Add and subtract multiples of 10 Represent the base ten structure of numbers up to 99 using drawings, numbers, and words Understand that the two digits of a two-digit number represent amounts of tens and ones Organize, count, and show collections {C} Compare 2 two-digit numbers based on the values of the tens and pines digits, recording the results of comparisons with the symbols, <,>,= to 99 {D} Represent two-digit numbers in different ways, using different amounts of tens and ones Understand of the structure of numbers in base 10, See that the two digits of a two-digit number represent how many tens and ones there are Count and group quantities Interpret and use multiple representations of two -digit numbers Use the value of digits to compare two-digit numbers and learn to use comparison symbols of .> < to record comparisons
Pacing (# of weeks)	4 - 6 weeks
Standards	Section A 1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.3.c, 1. NBT.C.4, 1.NBT.C.5, 1.NBT.C.6, 1.OA.C.5 Section B

	1.NBT. A.1, 1.NBT.B.2, 1.NBT.B.2.a, 1, NT.B.2.c, 1.NBT. C.4, 1.NBT.C.5, 1.NBT.C.6 Section C 1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.3, 1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6, 1.OA.C.5 Section D 1.NBT.A.1, 1.NBT.B, 1.NBT.B.2, 1.NBT. B.2.a, 1.NBT.2.b, 1.NBT.B.3, 1.NBT.C.4
Content/Conceptual Knowledge (know)	Composition of two- digit numbers Greater than, less than, equal to, Numbers{quantities} added together become larger quantities
Skills (be able to do)	Count and group quantities- tens and ones Count by ten and then count on Solve story problems involving adding or subtracting multiples of 10. Show an understanding of a ten and the foundations of the base-ten system Learn the meaning of < > = role of each symbol Decide on greater than and less than use the correct symbol / make a statement true Compare numbers Make reasonable estimates Find as many ways as possible to make a two-digit number
Essential Questions	How can numbers greater than 10 be shown, counted, read and written? What are two-digit numbers? How can numbers be compared and ordered?
Enduring Understandings	The decade numbers are built on groups of ten The oral names are similar, but not exactly the same, as the number of 10s counted Sets of ten can be perceived as single entities When objects are grouped in sets of 10 and leftovers, counting the groups of ten and adding in the ones tells how many there are in all Place value can be used to compare and order numbers. For some relationships, mathematical symbols <,> = can be used to describe how one set of numbers is related to another set. Two digit numbers are composed of tens and ones
Vocabulary	Two-digit number, digits, multiples, tens place, ones place
Common Learning Experiences broken down by standard addressed in the unit	Activities: How Many Are In The Bag? Compare Representations of a Collection

	Make the Statement True
	Mystery Bags
	Number talks, warmups, and cook downs A new routine: Estimation Exploration- make reasonable estimates of quantities seen in images: addition and subtraction
	Read two-digit numbers- tens and ones
	Use towers of blocks to show 10s and ones Notice and wonder experiences (routines)
	Reflect on understanding of base-ten / two digit numbers made up of 10s and ones
	"Make It" game. Make a two digit number and represent the number in different ways -- agree now to build a number
	Partner work…
	Who do you agree with? Think about the value of tens and ones and consider a representation where the tens are not presented to the left of the ones
	Explain reasoning
	Grab and Count, Ones cubes Estimate the number of cubes/ organize/record the two digit / representations Count the cubes in any way that makes sense to students. Record the number of cubes
	Represent the base-ten structure of two-digit numbers with drawings, words and addition, expressions. Show numbers in different ways
	Make an equation true when a digit in a two-digit number is missing- value of a number
	Compare two -digit numbers based on the value of tens and ones digits
	Use greater than/ less than / determine greater than and less than
	Mystery Number game

	Choose two number cards and use a sentence starter to give clues…
Assessments	performance based, check ups, section A Checkpoint section A practice problems, Checkpoint B/ C/D
Student Resources	Bags, collections of objects, cups, 10 frames, double ten frames, paper plates, cubes, counters, base 10 blocks, number cards, sheet protectors, dry erase markers
Teacher Resources	Texts, manipulatives