Unit Title: 1st Grade "Adding Things that are Alike": Addition of 2-Digit Numbers

Standards Addressed:

1.NBT.B.2 Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases:

A. 10 can be thought of as a bundle of ten ones – called a "ten"

- B. The number from 11 to 19 are composed of a ten and one-nine ones
- C. The numbers 10, 20, 30-90 refer to 1-9 tens

1.NBT.C.4 Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models of drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten

1.NBT.C.5 Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used

Know	Understand	Be Able to Do
Place value Value vs. digits Tens & ones Expanded form Strategies – Base 10	Students will understand that only like things can be added (tens+tens, ones+ones)	The students will be able to verbally explain how they solved a 2-digit addition problem
100 chart Jump method (open number lines) Tally method	Students will understand that numbers can be broken apart to make addition more clear:	The students will be able to model strategies to solve a 2-digit addition problem
	28+12 = 28 +10 + 2 Students will understand that different strategies can	The students will be able to show the role of place value in 2-digit addition (tens+tens, ones+ones)
	be used to solve the same problem	

By the end of the unit, what will students come to...

<u>Pre-Assessment Ideas</u>: Have students show various 2-digit numbers using base 10 blocks, discussion of putting things together (looking for place value understanding)

<u>Summative Assessment Ideas:</u> Verbal explanation of 2-digit addition and teacher-made test based on KUD.

<u>Formative Assessment Ideas:</u> Within the small group stations, accountability sheets will be checked daily and verbal/written explanation on white boards in Teacher Time station will demonstrate students understanding. Mission Possible using 2-digit addition problems will be checked daily as well.

<u>Resources:</u> White boards, 100 Charts, Base 10 manipulatives, cards, 2-digit addition games (3 in a Row, Addition War, etc...)