

1. We will explain to others how place value helps is understand numbers.

J. We will represent numbers Using words, models, expanded form, and standard form.

to learn about place toke

UNIT PLANNING TOOL

Focus: 2nd Grade: Understand Place Value

CCSSM: 2.NBT.1 3 digit numbers represent hundreds, tens and ones

- a. Bundle of ten tens= 1 hundred
- b. 100, 200, 300 = __ hundreds 0 tens 0 ones
- 2.NBT.2 Count within 1,000; count on, count back, 5's, 20's, 100's
- 2.NBT.3 Read and write #s to 1,000 using base-ten numerals, number names and expanded form
- 2.NBT.4 Compare two three-digit numbers based on place value using > = <

Math Practices being emphasized:

• Construct viable arguments and critique the reasoning of others • Model with mathematics

Essential Questions

Why should we understand place value? What is the difference between place and value? How does the value of a digit change when its position in a number changes?

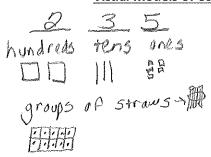
Demo Formative Assessments

Number Talk – Observation Individual preassessment (paper/ pencil)

Key Concepts

Conceptual understanding of ones, tens and hundreds
Skip counting patterns
Reading and writing numbers
Comparing numbers using place value understanding

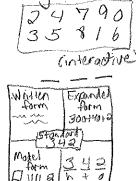
Visual Models of Concepts



Algorithms/Diagrams/Visvals

is less than

15 equal to



Connections (Real World Applications)

Understanding the relative size of numbers around you (65 kids are watching the movie)

Helps you understand how our number system works

Helps you to be able to add and subtract big numbers

Vocabulary

hundreds expanded form compare number form tens greater than number line represent ones less than bundles skip count equal to value base-ten digit

place

number names (one, two, thirty...)

Language Functions/Structures	
<u>(#)</u> is hundreds, tens and ones.	is greater than
There are tens in <u>(#).</u>	is less than
We estimate there are	is equal to
I modeled (#) using	

Focus and Motivation

Brain Pop Jr. - What is place value? (movie), Belly Up Comic

YouTube: Place Value Song for Kids by Numberock Math Songs
Let's Get Fit (number review counting to 100) by Jack Hartmann

Literature – Missing Math: A Number Mystery by Loreen Leedy

Chant – Hey Kids (Let's Count Today)

Games: Circle Counting Game – (Stepping Stones Lesson 6)

Guess My Number: Twenty Questions I Have, Who Has? Place Value 1-2

Close, Far and In Between (Van de Walle)