

Unit Title: Place Value

Grade Level: 2

Subject Area: Math

Duration/Length/Number of class periods: 6 class periods

Description: Students begin learning 2nd grade place value skills through this unit! They will learn to show numbers in different ways as well as what the digits in a number stand for (ones, tens or hundreds). They will get to explore two apps Seesaw and Flipgrid, as well as practice partner work.

Established Goals:

2.1.1 1. Read, write, compare, order and represent whole numbers up to 1,000. Representations may include numerals, addition, subtraction, multiplication, words, pictures, tally marks, number lines and manipulatives, such as bundles of sticks and base 10 blocks. (MP4) {CC1, CC2}

2.1.2 2. Use place value to describe whole numbers between 10 and 1,000 in terms of hundreds, 10s and ones. Know that 100 is 10 tens and 1,000 is 10 hundreds. (MP2)

What Enduring Understandings are desired?

Sometimes numbers are displayed in different ways in the real world.

We can use technology tools and partner work to practice/better understand math!

What Essential Questions will be considered?

How can you show a 3 digit number in more than one way?

What does each digit in a three-digit number stand for (ones, tens or hundreds)?

Students will know / be able to:

Show numbers in base ten block picture, standard form, expanded form and word form.

Explore two technology tools we will use this year: Seesaw and Flipgrid.

Collaborate with a partner effectively.

Description <i>Units must include at least one of each formative, summative, introductory activity and learning activity. Check the appropriate box; one per row.</i>	Formative	Summative	Introductory Activity	Learning Activity	Student Technology Used	Teacher Technology Used	ISTE Standards
Monday: Give students a baggie of base ten blocks to explore with. Students can chat at their table using the following sentence starters: I know this block is worth... On SEESAW students record one of their noticings.			x		x		
Daily exit tickets	x						
Throughout the week: using personal whiteboards to show numbers using base ten block pictures, standard and expanded form	x			x			
Wednesday: “Roll A Dice” Activity: roll a dice 3 times, show number subitized and in standard and expanded form				x			
Throughout the week: using smart board slides!						x	
Summative assessment: Place Value Robot and Flipgrid Partner Activity		x			x		Standard 6

Materials, tools and resources:

Smart Notebook slides

https://drive.google.com/file/d/1YxqAGxk4ImQG8dS05tyVNR-9Yi1oDI_w/view?usp=sharing

Seesaw Activity

https://app.seesaw.me/pages/shared_activity?prompt_id=prompt.25d0636d-12c9-42d3-9cf2-bd05f69e35bb&share_token=zoeWZMOSTSufu2mQcb_dMA

Flipgrid Video:

<https://flip.com/49d24620>

Join Code: 49d24620

Do Nows:

<https://docs.google.com/presentation/d/1hHniNoB6ibdAhzfFmJZPuPLCQ6W2PCEg/edit?usp=sharing&ouid=117304335099194573412&rtpof=true&sd=true>

Exit Tickets:

<https://docs.google.com/presentation/d/1dBCeMOjgnfMbzG4a0i090ny6LZv83KJs/edit?usp=sharing&ouid=117304335099194573412&rtpof=true&sd=true>

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Day-to-day lesson plan

Monday:

Exploration: Give students a baggie of base ten blocks to explore with. Students can chat at their table using the following sentence starters: I know this block is worth...

On SEESAW students record one of their noticings.

Seesaw Activity

https://app.seesaw.me/pages/shared_activity?prompt_id=prompt.25d0636d-12c9-42d3-9cf2-bd05f69e35bb&share_token=zoeWZMOSTSufu2mQcb_dMA

Energizer: BUZZ skip count by 10s to 80

Whole group lesson using individual whiteboards at rug: Use Monday slides to count the btb in standard and then expanded form.

Do Now and exit ticket

Tuesday:

Whole group lesson using individual whiteboards at rug: Use Tuesday slides to draw the btb picture and then expanded form.

Do Now and exit ticket

Wednesday:

Whole group lesson using individual whiteboards at rug: Use Wednesday slides to draw the btb picture, standard and then expanded form.

Introduce Math Activity “Roll a Dice”: roll a dice 3 times, show number subsidized and in standard and expanded form.

Do Now and exit ticket

Thursday:

Whole group lesson using individual whiteboards at rug: Use Thursday slides to show numbers in word form.

Do Now and exit ticket

Friday:

Energizer: BUZZ skip count by 10s to 80

Whole group lesson using individual whiteboards at rug: Use Friday slides to show number in standard, expanded and word form.

Do Now and exit ticket

Summative Assessment:

1) Students complete a place value robot template.

2) Can you describe your 3-digit number to your partner? Use the sentence starters to help you!

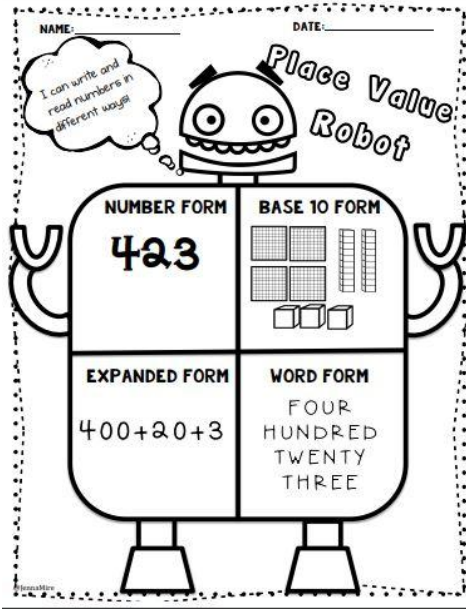
My number has ___ ones.

The number has ___ tens.

The number has ___ hundreds.

What's your guess?

3) Explain one of the following in your video: base ten block picture, expanded or word form.



Flipgrid Video:

<https://flip.com/49d24620>