

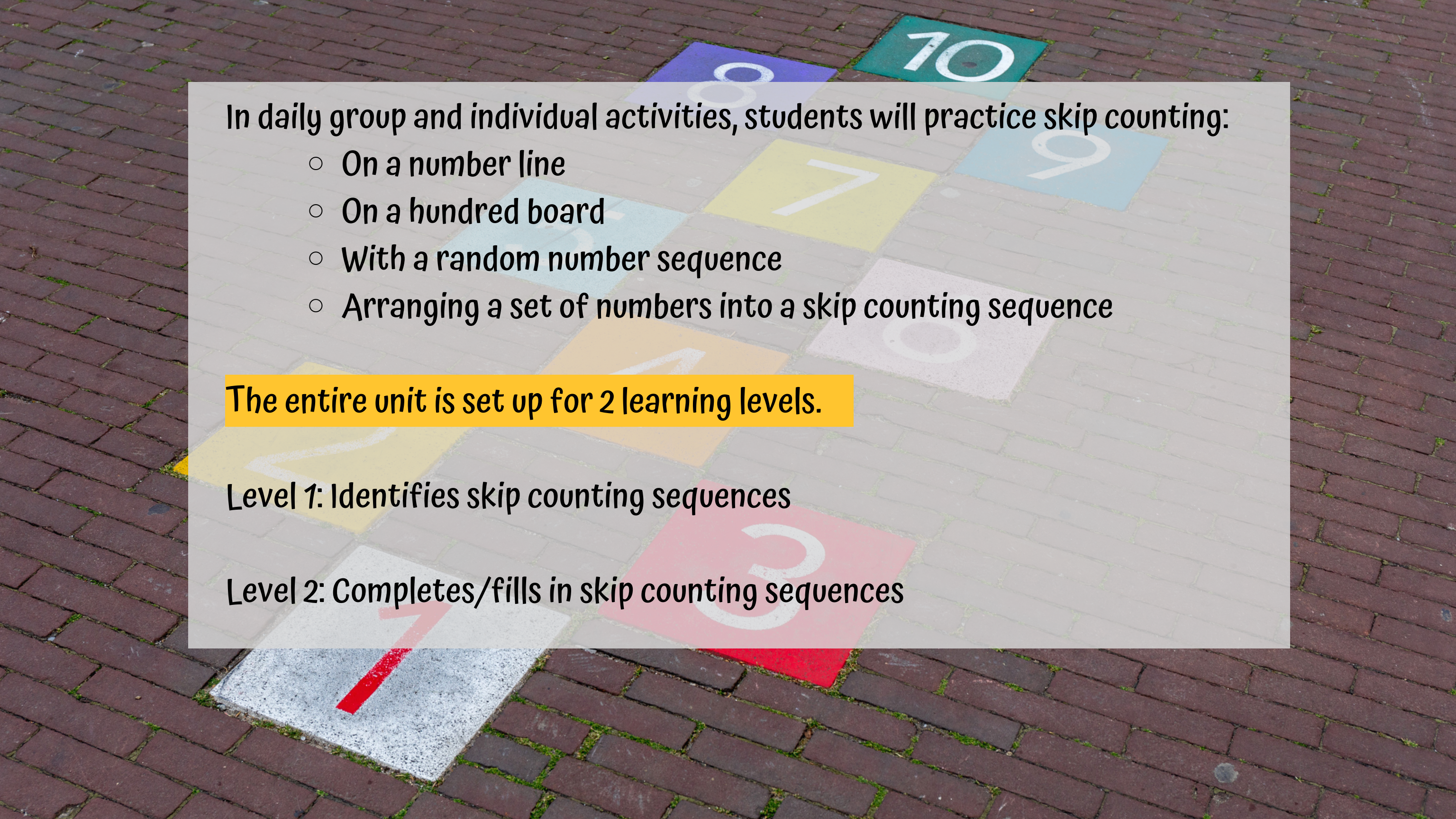
SKIP COUNTING



INCLUDES GOOGLE SLIDES



This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, can count to 20, but still struggles with a most basic math skills. With some support he is able to do this unit and enjoys the challenge. He is my tester!!



In daily group and individual activities, students will practice skip counting:

- On a number line
- On a hundred board
- With a random number sequence
- Arranging a set of numbers into a skip counting sequence

The entire unit is set up for 2 learning levels.

Level 1: Identifies skip counting sequences

Level 2: Completes/fills in skip counting sequences

Skip Counting Unit

By
Christa Joy
Special Needs for Special Kids



Christa Joy, Special Needs for Special Kids
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Also included in this resource as separate files:

- Links and directions to digital activities
- PowerPoint (**this is the book in the lesson plan**)
- Voice recorded PowerPoint
- Activities in black and white

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This unit contains 11 days of material that is in both printable and digital formats. I have included a detailed lesson plan to help you make the most of everything in this unit including daily group and individual activities.

It comes in 2 separate files. One in color and one in black and white.

Skip Counting Lesson Plan

Preparation

- Book
 - Print out, laminate, and bind
 - OR your students can listen to the pre-recorded version
- Group activities
 - Each group activity has materials to print
 - Print necessary materials onto cardstock and laminate

Preassessment (do day 1 before starting lesson)

- Use the quiz (level 1 or level 2) as the preassessment
- I cannot emphasize enough how important this step is. If you want to see growth, this preassessment is so important!!

Teaching Tips

1. **Color Coding:** this is a really easy way activity. Outline or color in an empty box the corresponding picture symbols the task.
 - a. For more info, read more here: <https://specialneedsforspecialkids/differentiation/>
 - b. I also have a blog post on differentiation <https://specialneedsforspecialkids/3-ways-easily-and-effectively/>
2. **Make your own copies of the activities:** yesterday. For that reason:
 - a. I often complete the activity myself that I could use year after year.
 - b. My copies were also helpful as either more support or as a way for me to work.
3. **Options for Use:** Turn any activity into laminating and adding Velcro.

Quick Look

Day	Activity	Day	Activity
1	<ul style="list-style-type: none"> • Book • Song or chant • Group activity • Number line worksheets 	6	<ul style="list-style-type: none"> • Book • Song or chant • Group activity • Hundred boards
2	<ul style="list-style-type: none"> • Book • Song or chant • Group activity • Number line worksheets 	7	<ul style="list-style-type: none"> • Book • Song or chant • Group activity • Fill in numbers
	<ul style="list-style-type: none"> • Book • Song or chant • Group activity 	8	<ul style="list-style-type: none"> • Book • Song or chant • Group activity • Fill in numbers
		9	<ul style="list-style-type: none"> • Book • Song or chant • Group activity • Fill in numbers
		11	

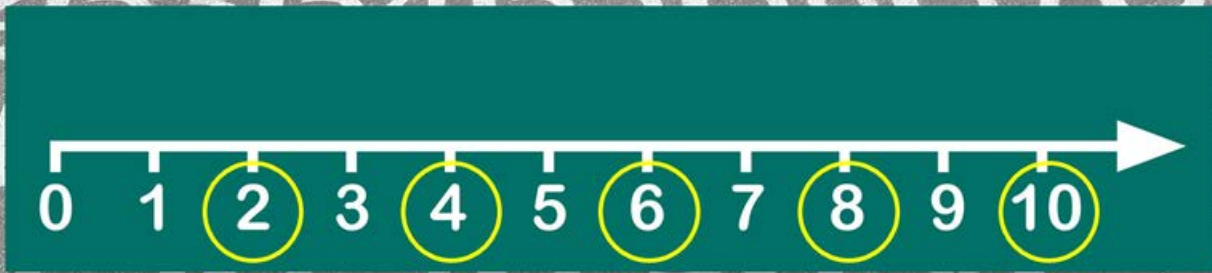
Day 8

Activity	Notes	Materials
Read or listen to the movie version of the book (10 minutes)	<ul style="list-style-type: none"> • Read through the story, asking lots of questions • Continue to make connections between book and vocabulary board 	<ul style="list-style-type: none"> • Book • Vocabulary board
Song or chant (5 minutes)	<ul style="list-style-type: none"> • Choose one of the songs (found on YouTube) or chant provided 	<ul style="list-style-type: none"> • Songs and chant lists
Group Activity: Puzzles	<ul style="list-style-type: none"> • Students will put together puzzles that use skip counting • Give students visual of completed puzzle if needed • Read off completed skip number sequence when complete 	<ul style="list-style-type: none"> • Puzzles
Fill in missing numbers worksheet review (5 minutes)	<ul style="list-style-type: none"> • Review the filling in missing numbers worksheet completed yesterday 	<ul style="list-style-type: none"> • Completed worksheet
Fill in missing numbers (10 minutes)	<ul style="list-style-type: none"> • Complete one worksheet where students fill in the missing numbers in a skip counting sequence • Each worksheet has 2 problems • There are 2 levels <ul style="list-style-type: none"> ◦ Level 1: students are told what to count by and fill in the missing numbers ◦ Level 2: students must figure out what the skip counting sequence is being shown and fill in the missing numbers • Cut page in half if students too overwhelmed 	<ul style="list-style-type: none"> • Worksheet • Pencils
Sharing (10 minutes)	<ul style="list-style-type: none"> • Each student shares their finished worksheet with the group using the communication method of their choice 	<ul style="list-style-type: none"> • Completed worksheets • Communication devices

The lesson plans contain:

- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run





But there is another way to count, called skip counting. Skip counting is when you count only certain numbers in a sequence.



There are times when we have a large amount of things we need to count. It can take a long time to count them one by one, so it can be easier to quickly make groups or 2's, 5's or 10's. Counting the groups using skip counting can make it go faster.

There is a 17 page book with this unit using simple text and photos.

It comes in a PowerPoint version as well as a voice-recorded movie (mp4).

Group activity #1

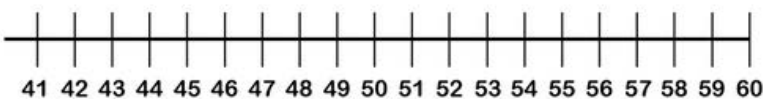
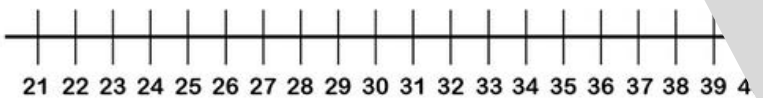
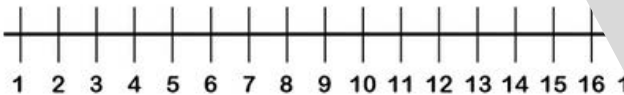
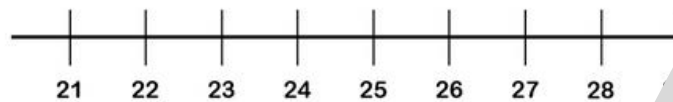
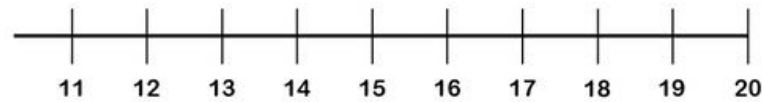
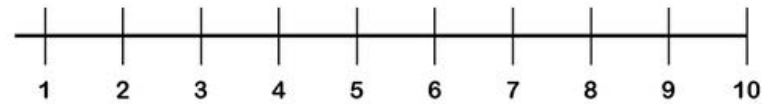
Group Activity 1: Human Number Line

- Students will practice skip counting by physically forming a number line to demonstrate skip counting
- Preparation
 - Print one the number cards on card stock and laminate
 - Alternative: write the numbers on large pieces of paper or large index cards
 - Place a piece of masking tape on the floor for students to line up on
- Hand out cards and have students get in correct order on the number line (piece of masking tape)
- Students will hold number in front of them
- Tell students what number they will skip count by
- Variations:
 - Students who are counted step forward
 - Students who are counted sit down
 - Students who are skipped step backwards
 - Students who are skipped sit down
 - Students who are skipped turn around
- Once students who will be counted are identified have them say their number out loud to verbalize the skip counting sequence
- Or, have a designated student who reads the skip counting sequence aloud

Students will create a human number line to practice skip counting sequences.

Group Activity 2: Large Number Line

- Students will practice skip counting as a group using a large number line
- Preparation
 - Print out as many lengths of the number line you want to use onto cardstock and laminate
 - Tape together to form one large number line
 - Place on table or in front of room for the group to access
 - OR print one copy of the 0-25 number line for each student onto cardstock and laminate
- Tell students what number they will skip count by
- Variations:
 - Using dry erase markers, color in or circle the correct numbers
 - Place small post-it notes on correct numbers
 - Use other manipulatives to mark correct numbers
 - small erasers
 - counter chips
 - small candies
 - Print the number line on regular paper and have students holepunch the skipped numbers, leaving behind the counting sequence.
 - Note: you may need to trim the paper so it is narrow enough for the hole punch to reach the numbers



Students will practice identifying skip counting sequences as a group on large number lines.

Group activity #3

Group Activity 3: Hundred Boards

- Students will practice skip counting on these hundred boards
- Preparation
 - Print one hundred board on cardstock and laminate for each student
 - **For students who are easily overwhelmed, use the fifty or twenty board**
 - Print one set of skip counting cards on cardstock and cut apart (there are ones with empty spaces you can fill out for more practice)
- Have students pull a skip counting card from pile
- Variations:
 - Using dry erase markers, color in or circle the correct numbers
 - Place small post-it notes on correct numbers
 - Use other manipulatives to mark correct numbers
 - small erasers
 - counter chips
 - small candies
 - Print the board on regular paper and do not place paper on corkboard and let student write with a pencil on correct numbers.

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Fifty Board

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Hundred Board

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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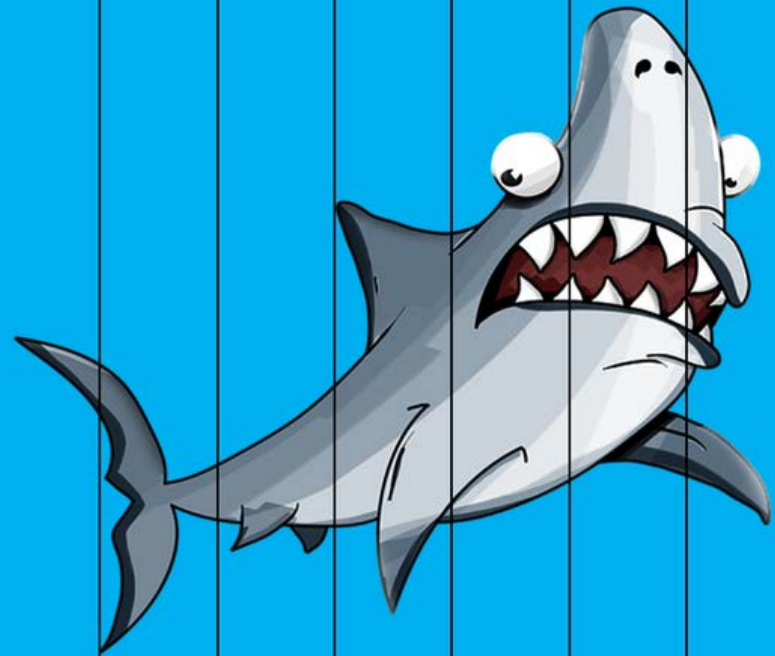
Skip counting cards

by 2's	by 3's
by 5's	by 7's
by 10's	by 20's
by 25's	start at 10, count by 2's
start at 15, count by 5's	start at 30, count by 10's

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Students will practice identifying skip counting sequences as a group on hundred boards.

Group activity #4



10 20 30 40 50 60 70 80 90 100



5 10 15 20 25 30 35 40 45 50

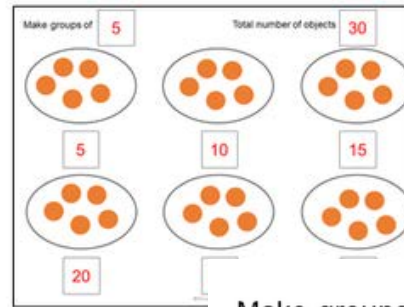
Students will practice identifying skip counting sequences using puzzles. (Also come in black and white options.)

5 puzzles included.

Group activity #5

Skip Counting with manipulatives

- Students will make smaller sets from a large group of objects.
- Students will then count how many total objects there are using skip counting.
- Preparation
 - Print sorting mats onto cardstock and laminate (1 per student)
 - Gather various manipulatives
- Fill in the top direction writing in how many in each group with a dry erase marker.
- Students will then write in a running total by putting the subtotals below each group in the box.



- For students who need more support help count

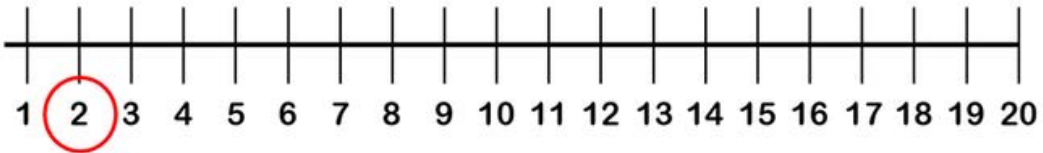
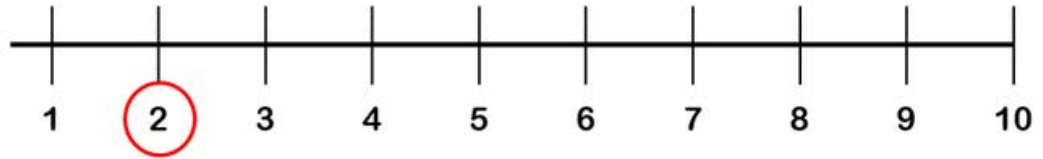
Make groups of

Total number of objects

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

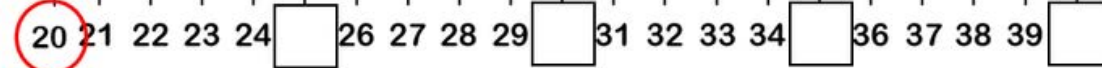
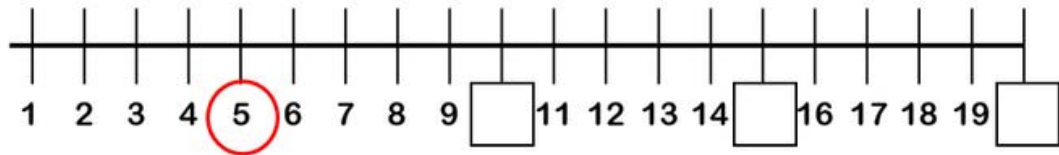
Students will practice skip counting sequences by creating groups of manipulatives and filling in the sequence.

On each number line, circle the numbers if you were counting by 2's starting at the circle number.



Level 1

On each number line, write in the missing numbers if you were counting by 5's starting at the circled number.



Level 2

There are 5 worksheets for each learning level to practice skip counting on a number line.

On each hundred board, color in the numbers if you were counting by 3's starting at the circle number.

Level 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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Level 2

On each hundred board, write in the missing numbers if you were counting by 5's starting at the circle number.

1	2	3	4	5	6	7	8	9	
11	12	13	14		16	17	18	19	
21	22	23	24		26	27	28	29	
31	32	33	34		36	37	38	39	
41	42	43	44		46	47	48	49	
51	52	53	54		56	57	58	59	
61	62	63	64		66	67	68	69	
	72	73	74		76	77	78	79	
	82	83	84		86	87	88	89	
91	92	93	94		96	97	98	99	

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There are 5 worksheets for each learning level to practice skip counting on a hundred board.

Count by 2's and fill in the missing numbers.

6, 8, 10, , 14, 16, 18, , , 24, 26, , 30, , , 36

Level 1

Count by 10's and fill in the missing numbers.

10, 20, , 40, , , 70, , , 100

Fill in missing numbers and figure out what the skip pattern is.

5, , 15, , 25, 30, 35, , , 50, 55, , 65, 70, , 80

The pattern is skip counting by:

6, , 12, , 18, 21, 24, , , 33, 36, , 42, 45, , 51

The pattern is skip counting by:

Level 2

There are 3 worksheets for each learning level to practice filling in missing numbers on a skip counting sequence.

Arrange numbers if counting by 3's

--	--	--	--	--	--	--

Cut apart numbers and arrange in the correct order above.

18	9	15	21	6	24	12
----	---	----	----	---	----	----

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Arrange numbers if counting by 5's

--	--	--	--	--	--	--

Cut apart numbers and arrange in the correct order above.

35	30	50	45	25	55	40
----	----	----	----	----	----	----

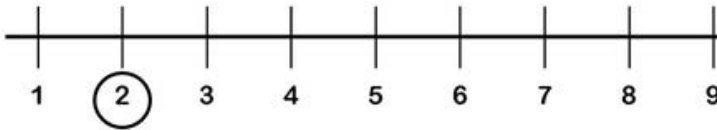
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There are 5 worksheets for students to practice cutting out a group of numbers and arranging them in a skip counting sequence.

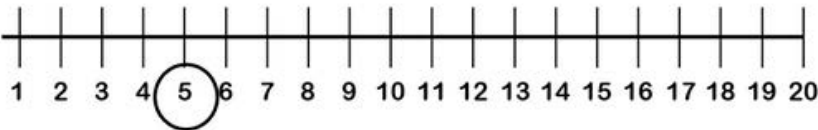
For students who need more support, color-coding can be added.

Skip Counting Quiz

1. On each number line, circle the numbers if you were counting by 2's starting at the circle number.



2. On each number line, circle the numbers if you were counting by 5's starting at the circled number.



3. Count by 10's and fill in the missing numbers.

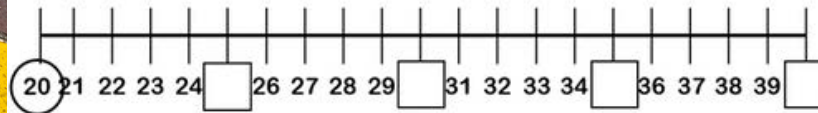
10, 20, , 40, , , 70, , , 100

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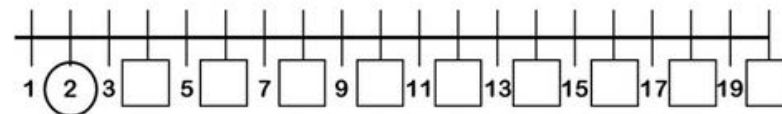
Level 1

Skip Counting Quiz

1. On each number line, write in the missing numbers if you were counting by 5's starting at the circled number.



2. On each number line, write in the missing numbers if you were counting by 2's starting at the circled number.



3. Count by 10's and fill in the missing numbers.

10, 20, , 40, , , 70, , , 100

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Level 2

There is a quiz for each learning level to assess understanding.

This is also used as the pre-assessment to measure growth.

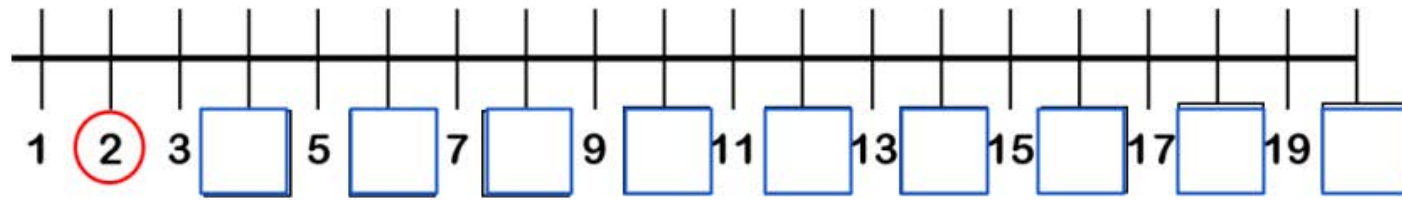


Skip Counting

by Christa Joy

There are also digital versions of the printable activities included in this unit. There is a movie version of both books that is narrated and animated.

Great for review



On each number line, type in the numbers if you were counting by 2's starting at the circle number.

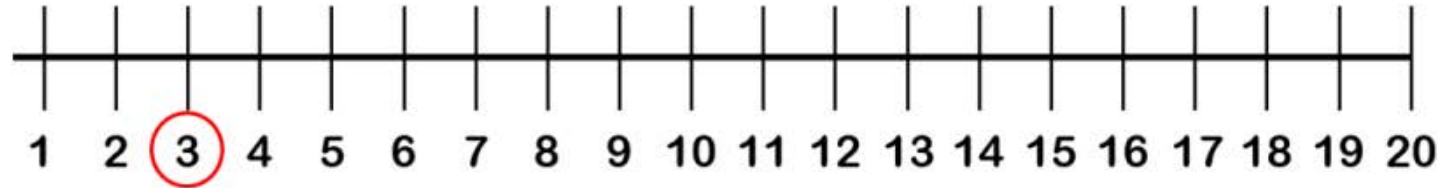
There is a set of slides for each learning level.

In this first set of slides, students type in their answers.

1	2	3	4	5		7	8		10
11		13	14		16	17		19	20
	22	23		25	26		28	29	
31	32		34	35		37	38		40
41		43	44		46	47		49	50
	52	53		55	56		58	59	
61	62		64	65		67	68		70
71		73	74		76	77		79	80
	82	83		85	86		88	89	
91	92		94	95		97	98		100

On each hundred board, color in the numbers if you were counting by 3's starting at the circle number.

Perfect for all learning levels.



On each number line, circle the numbers if you were counting by 3's starting at the circle number.



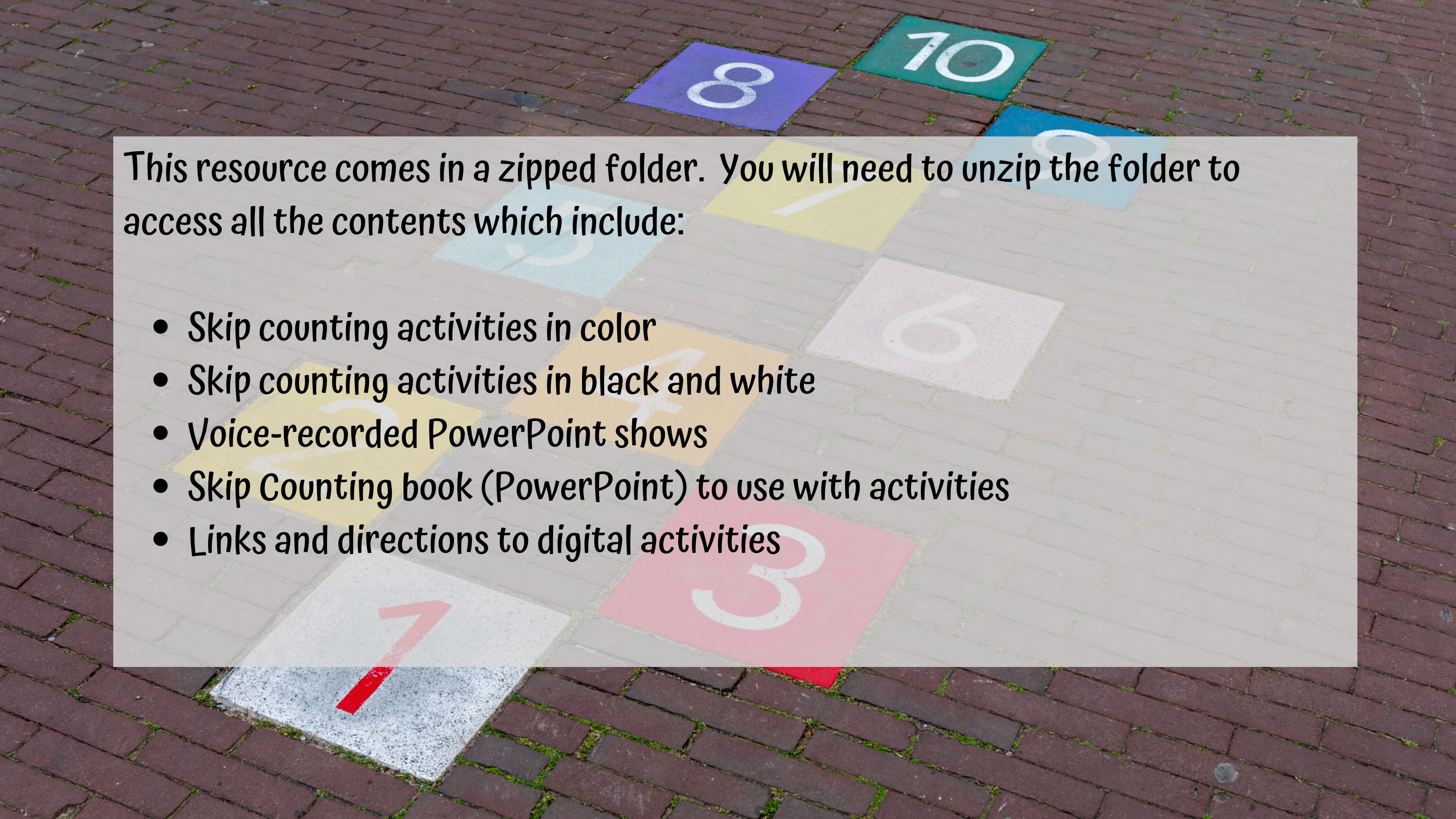
Seven empty boxes with colored borders: red, yellow, blue, green, black, purple, and grey.

Arrange numbers if counting by 7's

Seven boxes containing numbers: 35, 28, 42, 7, 14, 49, 21. Each number is in a box with a different colored border: 35 (black), 28 (green), 42 (purple), 7 (red), 14 (yellow), 49 (grey), 21 (blue).

In this set of slides, students will circle or click and drag answers.

There is also color-coding added where appropriate.

A hopscotch grid is painted on a brick-paved ground. The numbers 1 through 10 are arranged in a zig-zag pattern. Each number is on a colored square: 1 (red), 2 (yellow), 3 (pink), 4 (orange), 5 (light blue), 6 (grey), 7 (white), 8 (purple), 9 (light blue), and 10 (teal).

This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- **Skip counting activities in color**
- **Skip counting activities in black and white**
- **Voice-recorded PowerPoint shows**
- **Skip Counting book (PowerPoint) to use with activities**
- **Links and directions to digital activities**