

SPECIAL ED

Bar Graphs

Favorite Holiday

Christmas	Halloween	Thanksgiving	July 4th

Record the totals

Christmas		
Halloween		
Thanksgiving		
July 4 th		

Circle the one with the most.

8	6	4	10
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Color in the correct number of boxes using the data in the table.

Instrument you can play

piano	guitar	violin	flute

Record the totals

piano		4
guitar		3
violin		2
flute		6

Circle the one with the most.

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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 can't add at all. With some support he is able to do this unit, and enjoys the challenge. He is my tester!!

Bar Graphs

By
Christa Joy,
Special Needs for Special Kids

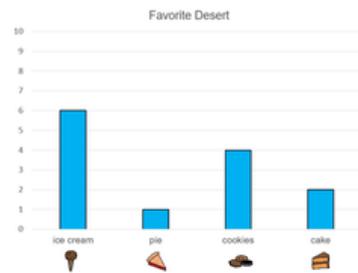


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4-5	Vocabulary Board
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In separate files, you will find:

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

This unit contains 5 days of printable and digital material.

The activities come in two separate files, one in color and one in black and white for easier printing.

Bar Graphs Lesson Plan

Preparation

- Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Books
 - Print out, laminate, and bind
 - OR your students can listen to the pre-recorded version
- Graphing templates for Group Activity
 - Laminate or place in page protector

Teaching Tips

1. *Color Coding:* this is a really easy way to add more structure to a matching activity. Outline or color in an empty box or sorting label. Outline or color in the corresponding picture symbols the same colors. Becomes a color matching task.
 - a. For more info, read more here: <https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-for-differentiation/>
 - b. I also have a blog post on <https://specialneedsforspecialkids.org/easily-and-effectively/>
2. *Make your own copies of the activities:* For that reason:
 - a. I often complete the activity myself could use year after year.
 - b. My copies were also helpful as either support or as a way for more advanced students to use.
3. *Options for Use:* Turn any activity into adding Velcro.
 - a. For more info, watch this video | <https://www.teacherspayteacher.com/3474240>
4. *Worksheets*
 - a. There are more worksheets included in the lesson plan.
 - b. Use the extra worksheets for:
 - i. re-teaching

Quick Look

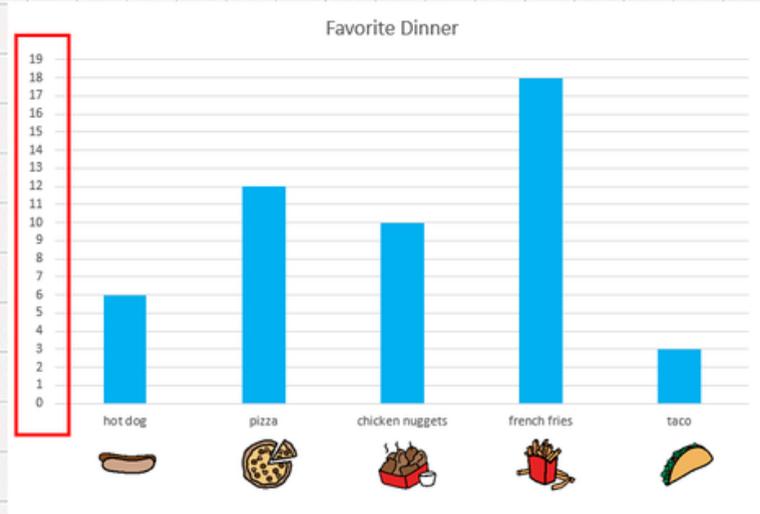
Day	Activity
1	<ul style="list-style-type: none"> • Book 1 • Group activity • Label parts of the graph
2	<ul style="list-style-type: none"> • Book 1 • Group activity • Reading bar graphs
3	<ul style="list-style-type: none"> • Book 1 • Group activity • Reading bar graphs

The lesson plans contain:

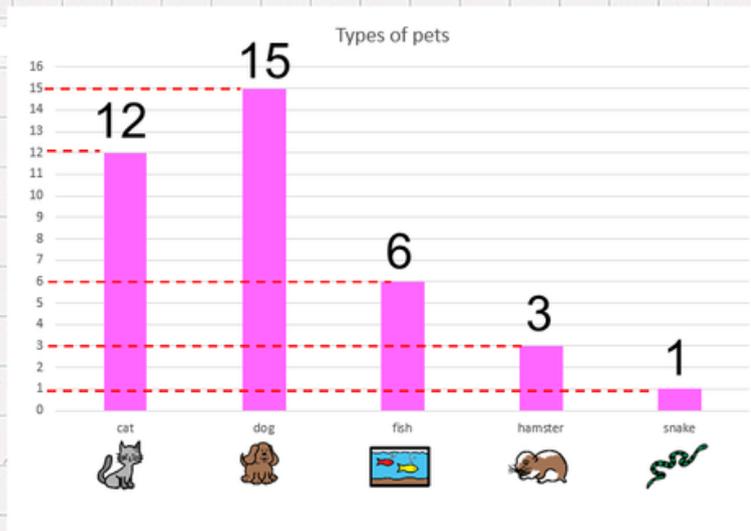
- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run

Day 2

Activity	Notes	Materials
Read or listen to Book 1: Bar Graphs (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
Group activity: Creating bar graphs (10 minutes)	<ul style="list-style-type: none"> • See activity for directions and suggestion for use 	<ul style="list-style-type: none"> • Bar graph templates • Manipulatives • Dry erase markers
Labeling a graph review (5 minutes)	<ul style="list-style-type: none"> • Review the worksheet completed yesterday 	<ul style="list-style-type: none"> • Worksheet completed yesterday
Reading bar graphs (10 minutes)	<ul style="list-style-type: none"> • Students will answer questions about a bar graph (there are 10 different graphs for practice) <ul style="list-style-type: none"> ◦ Students can write in answers or use the numbers provided and cut and paste them into the chart ◦ There is a differentiated version that has the graph divided into segments that students can count • Make connections to the book as necessary 	<ul style="list-style-type: none"> • Graph worksheet • Scissors • Glue
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



For these graphs, the numbers along the side will tell you **how many** you have of a certain object. How high the bar goes tells you the total amount you have for that object.

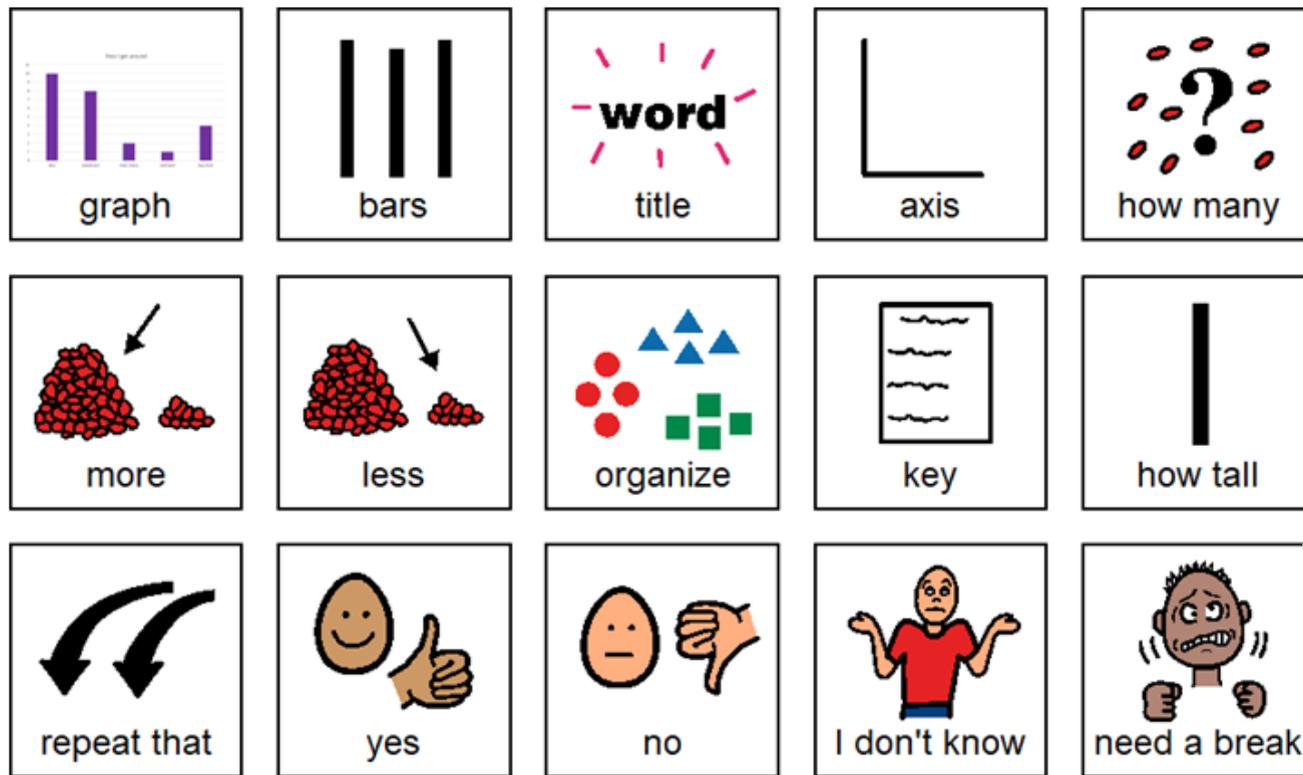


In this case, by looking at how high each bar goes on the graph, we know 12 people have a cat, 15 have a dog, 6 have fish, 3 have hamsters, and 1 person has a snake.

There is a 19 page book walking through how to read a bar graph.

They come in a PowerPoint version as well as a voice-recorded movie (mp4).

The movie is narrated and animated.



There is a vocabulary board for students who need more support and to encourage engagement and participation in group activities.

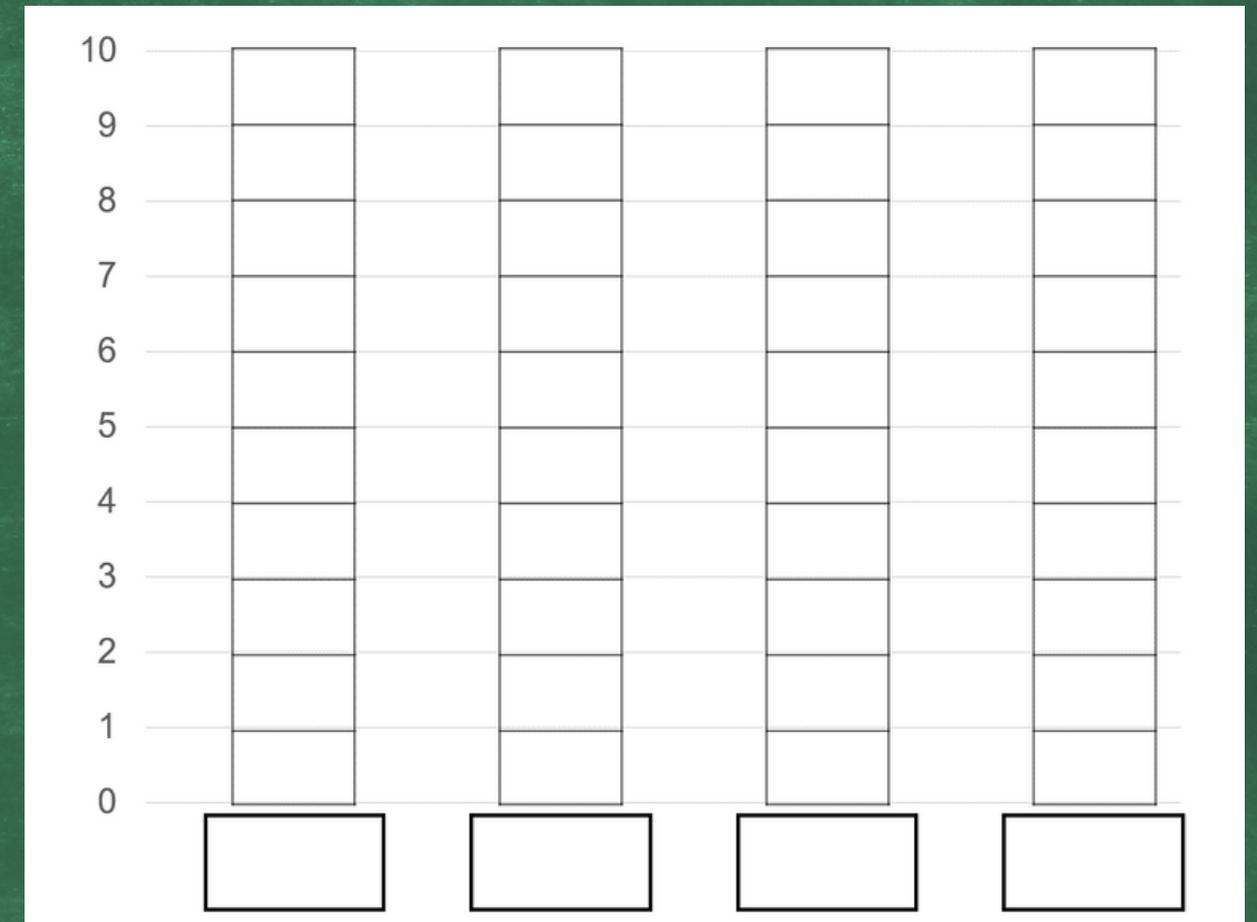
Creating bar graphs: Group activity

- Print templates on cardstock and laminate
- Give each student a graph template and 4 sets of manipulatives.
- Suggestions:
 - Small bear counters
 - Snap cubes
 - One cubes from a base ten set
 - Flat counters
 - Small wooden blocks
 - Novelty erasers
- Option 1:
 - Write in a quantity in each empty square below each column
 - Students place the correct number of counters, creating a bar graph
- Option 2
 - Teacher places manipulative on bar graph and students write number in the blank boxes below each column.
- Questions to ask:
 - Which bar/column has the most?
 - Which bar/column has the least?
 - How many more or less is one bar/column than another?
 - Which bar/column shows a value of X?

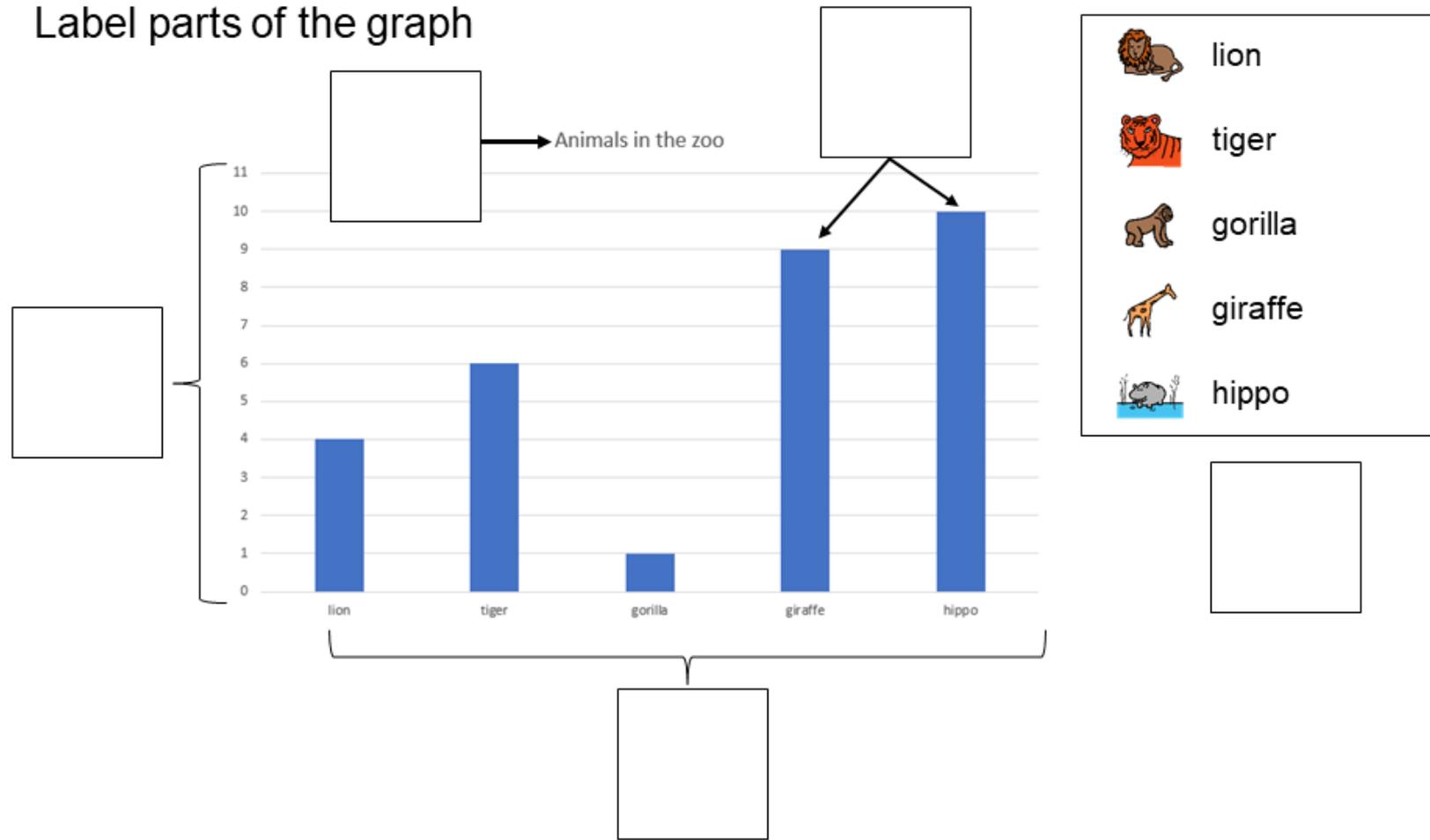
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Group activity

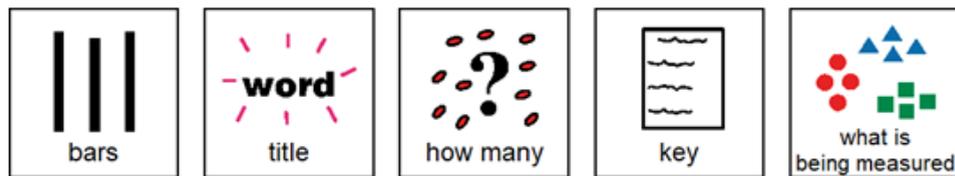
Students will work with manipulatives to make and read bar graphs as a group. 2 graphing templates included.



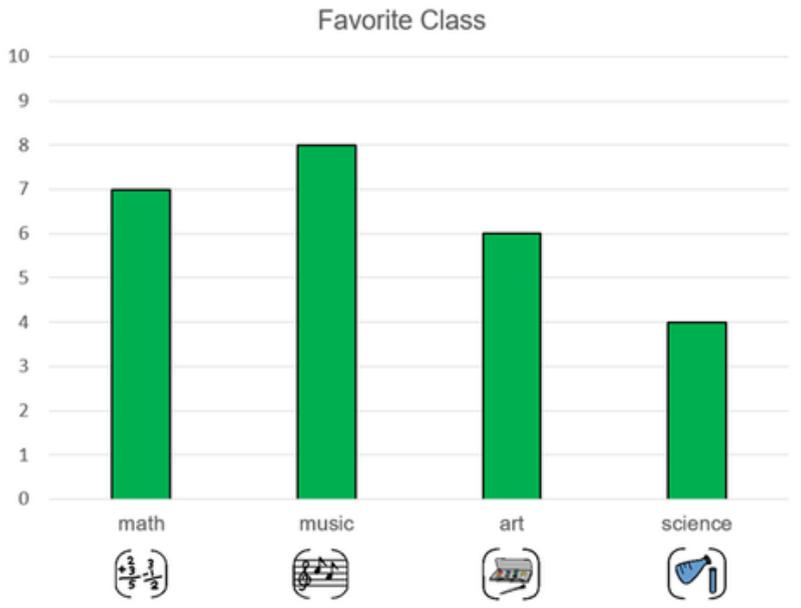
Label parts of the graph



Students will label the parts of a bar graph.



There are 10 graphs students will read the graph and record data. Each graph comes with a differentiated version.



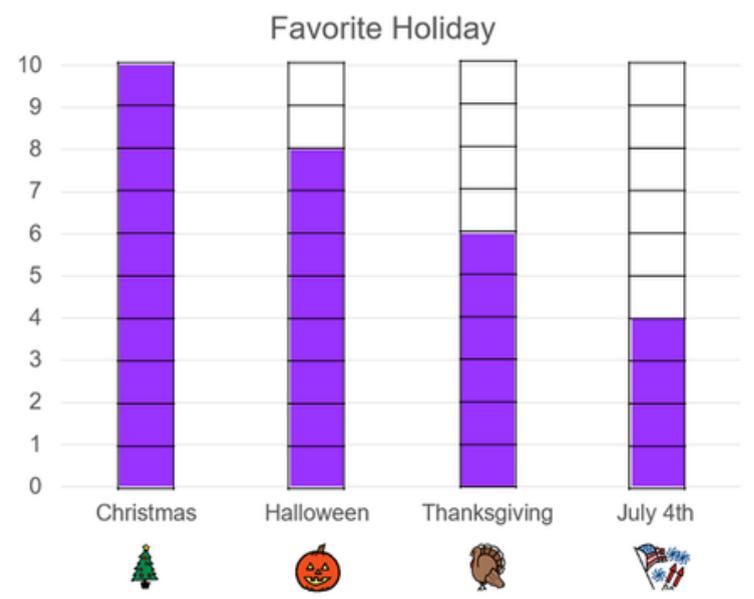
Record the totals

Circle the one with the most.

math		
music		
art		
science		

- 4
- 8
- 6
- 7

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Record the totals

Circle the one with the most.

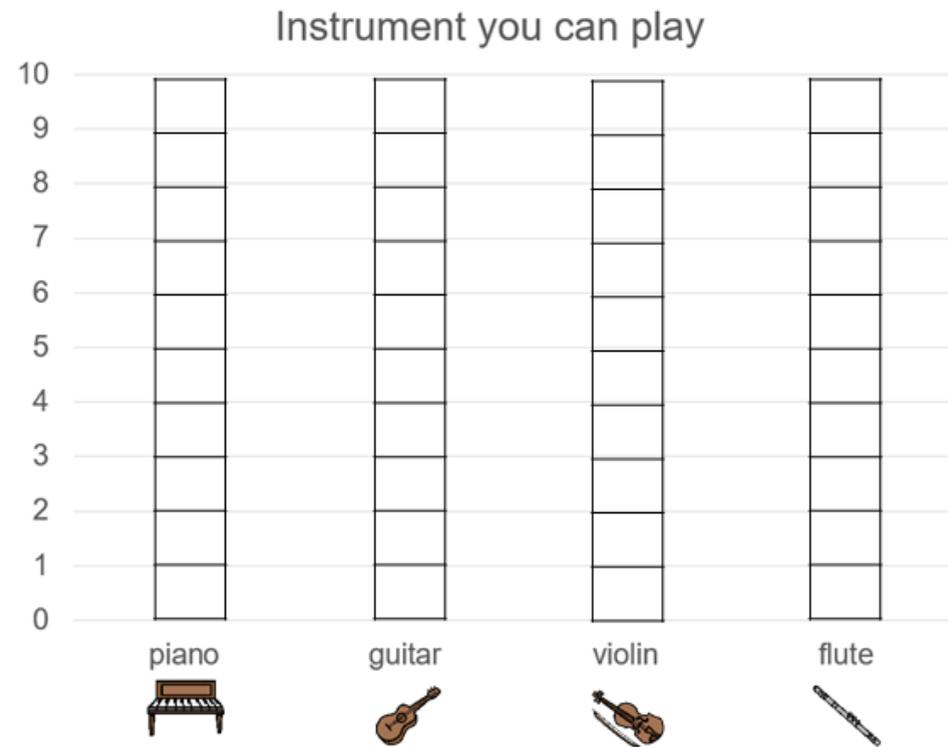
Christmas		
Halloween		
Thanksgiving		
July 4 th		

- 8
- 6
- 4
- 10

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Differentiated

Color in the correct number of boxes using the data in the table.

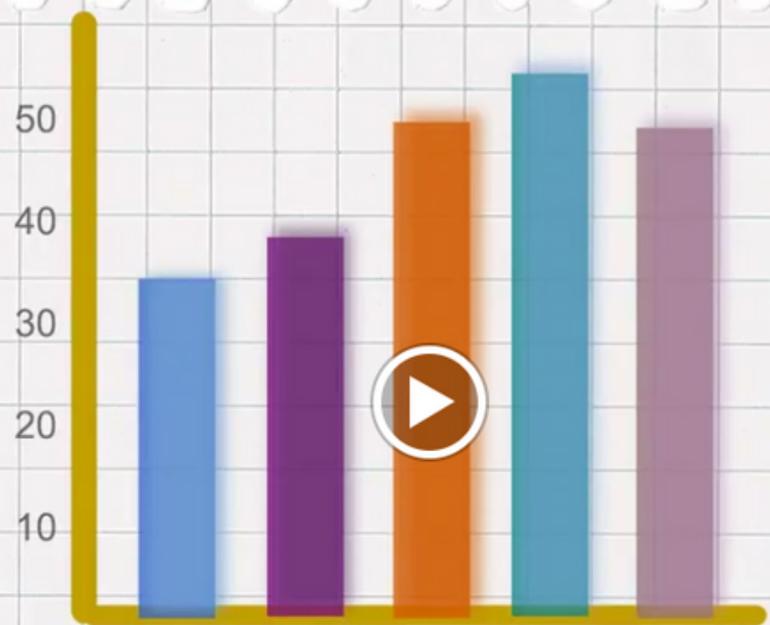


Record the totals

piano		4
guitar		3
violin		2
flute		6

Circle the one with the most.

There are 10 graphs where students will color in the graph given a data set.

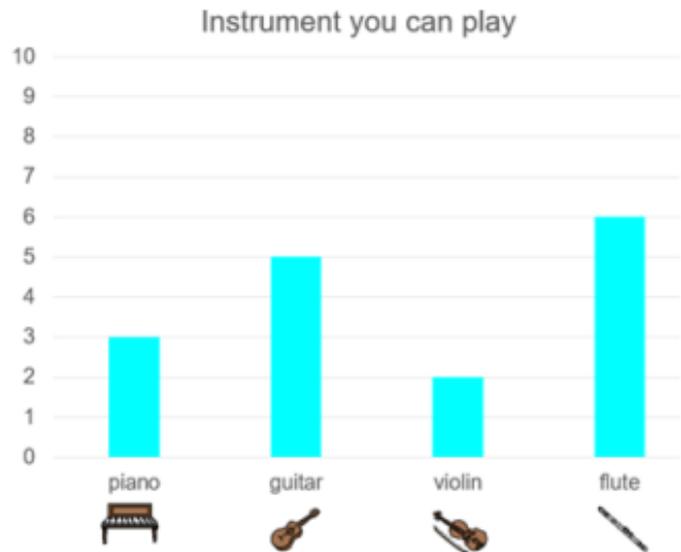


Graphs

By
Christa Joy

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

Great for review



1. Type the amount of each item in the chart.
2. Circle the one with most on the graph.

Record the totals

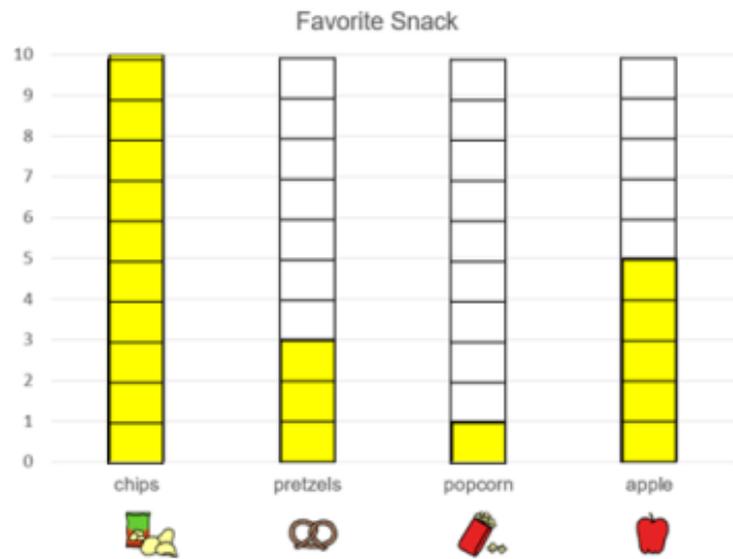
piano		
guitar		
violin		
flute		

Circle the one with the most.

There is a set of slides for each learning level.

In this set of slides students will be typing in their answer in the blue boxes.

Perfect for all learning levels.



Record the totals

chips		
pretzels		
popcorn		
apple		

Circle the one with the most.

1. Place the numbers below into the correct location in the chart.
2. Circle the one with most on the graph.

1
3
5
10



The digital versions of these extra worksheets use the version with the graph separated into units that students can count. There is NO typing required in this set of slides.

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

- *Lesson plans*
- *Activities in color*
- *Activities in black and white*
- *Voice-recorded PowerPoint show*
- *Bar Graphs (PowerPoint) to use with activities*
- *Links and directions to digital activities*