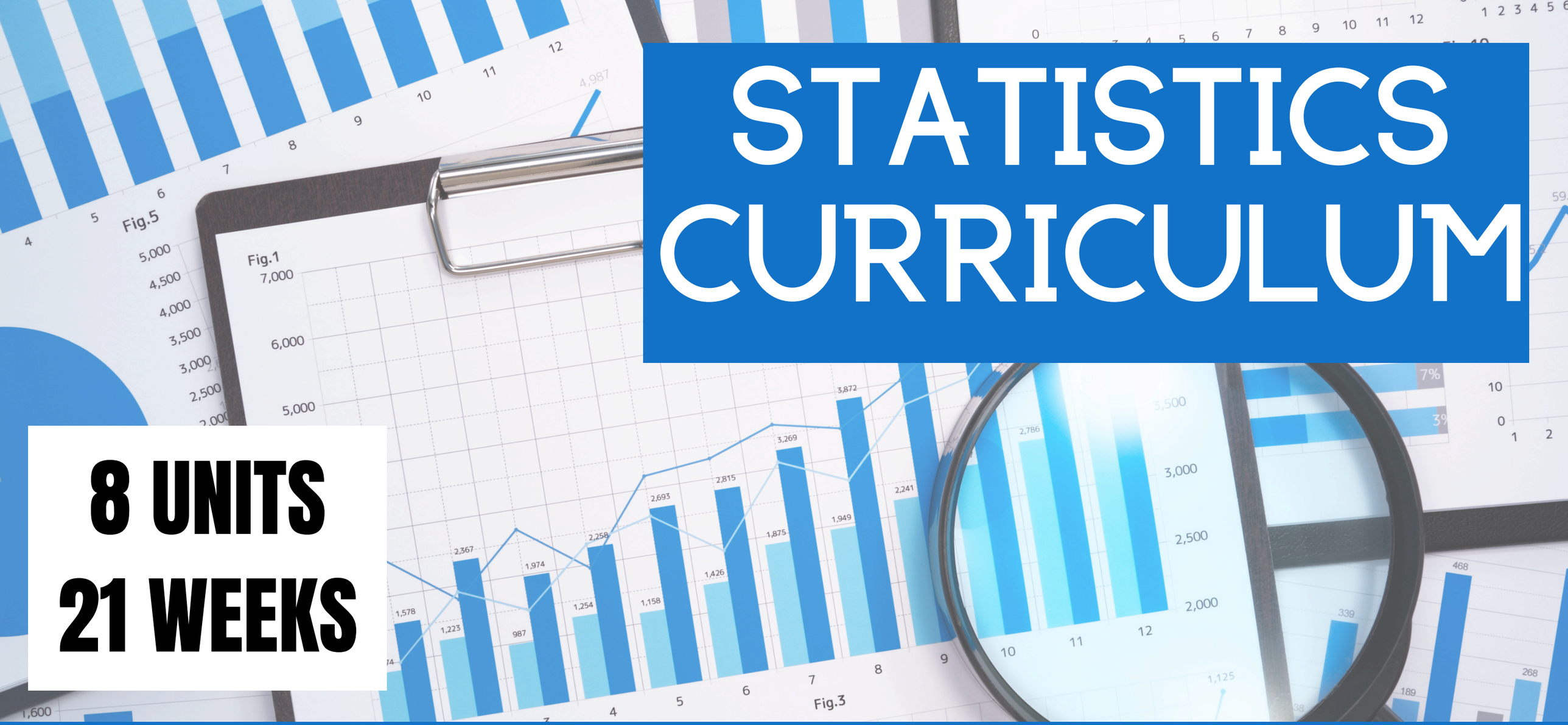

STATISTICS CURRICULUM

8 UNITS

21 WEEKS

JOY 2 TEACH

SPECIAL EDUCATION

For students who:

- lack pre-requisite skills
- take alternate assessments
- are in special education
- short-attention span
- benefit from the use of pictures for support
- middle/high school

Why you need this bundle:

- If you teach multiple grade levels, you have all you need in one place.
- Having the same layout for each unit reduces students' anxiety and allows them to focus on the content.
- Aligned with extended learning standards.
- Saves you money
- Picture/visual support for struggling learners

This curriculum includes 8 different units that are typically taught in this order. It includes:

1. Introductory (2 weeks)
2. Dot plots & Historgrams (2 weeks)
3. Central Tendency (3 weeks)
4. 2-Way Frequency Tables (3 weeks)
5. Scatter Plots (3 weeks)
6. Box Plots (2 weeks)
7. Probability (3 weeks)
8. Surveys (3 weeks)

All units have printable AND digital versions

All the units have a book and specific activities to review skills. There are many scaffolded activities that allow students to get a lot of practice on that skill. Each unit includes:

- Detailed lesson plans
- A book PLUS a pre-recorded PowerPoint show and movie version
- Vocabulary board
- Vocabulary cards and cut/paste activities
- Various practice worksheets
- Fill-in-the-blank worksheets for review
- Vocabulary puzzles
- Assessments (3 versions)

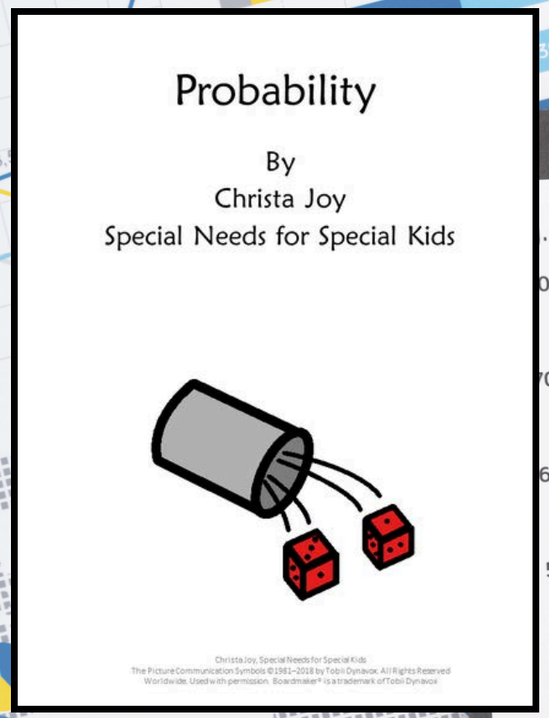

Table of Contents

Also included with this unit is a power point show that is narrated and has automatic advancement of slides. Let me know in the feedback if this was helpful ☺

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Every unit has many scaffolded activities that include picture and color support.

Day 8

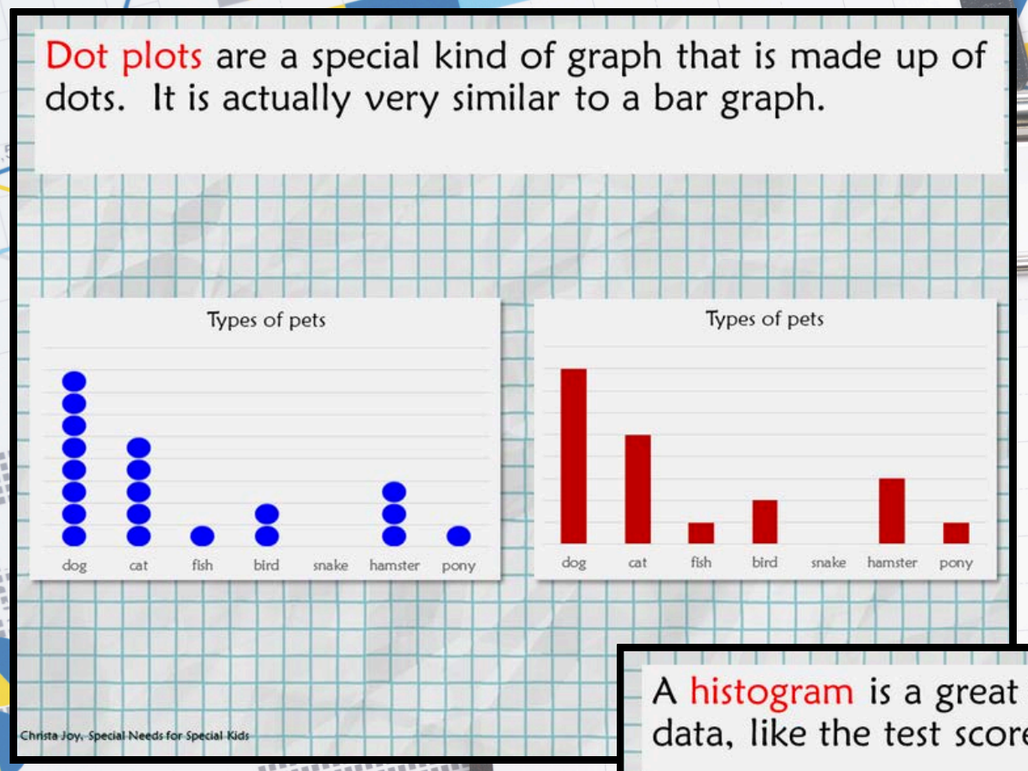
Activity	Notes	Materials
Read or listen to a recording of the book (10 minutes)	• Read through the story, asking lots of questions • Continue to make connections between book and vocabulary board	• Book • Vocabulary board
Vocabulary cards Puzzle Game (10 minutes)	• Give each student a pile of pieces • Have them reassemble the pieces into the correct symbols o They may have to ask each other if someone else has the second half to a piece they have. Great for increasing communication and sharing.	• Vocabulary cards (set where each card is cut in half)
Tallying worksheet review (5 minutes)	• Review the worksheet completed yesterday	• worksheet from yesterday
Presenting results (10 minutes)	• Students will practice looking at surveys results and completing a simple bar graph in order to summarize and present the results. • Complete 1-2 worksheets in the set • Differentiated versions are included	• Worksheet • Scissors • Glue
Engaging Learning Experience: Task 5 (10-15 minutes)	• Task 5: Students will begin to tally their survey data. • Go back to the tallying worksheet set as a review. • There are templates provided for this task.	• Task 5 templates
Sharing (10 minutes)	• Each student shares some of their tallied data with the group using the communication method of their choice	• Tallied data from their surveys • Communication devices

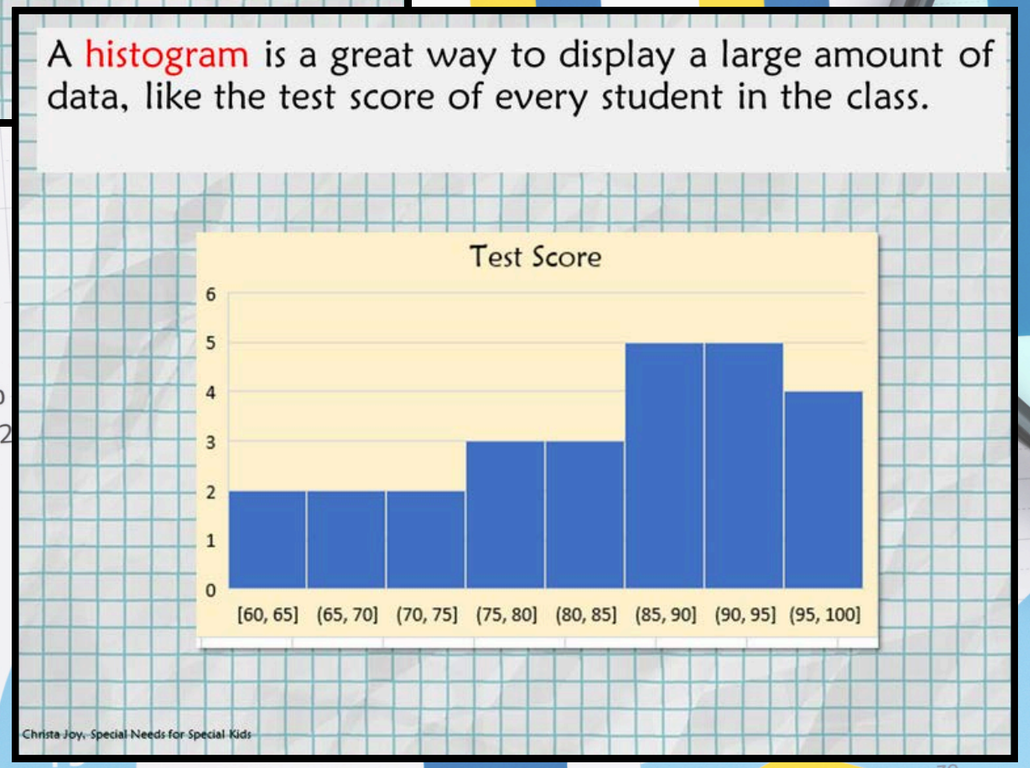
lesson plans

Every unit has a detailed lesson plan with suggestions, a quick look, and a daily step-by-step guide.

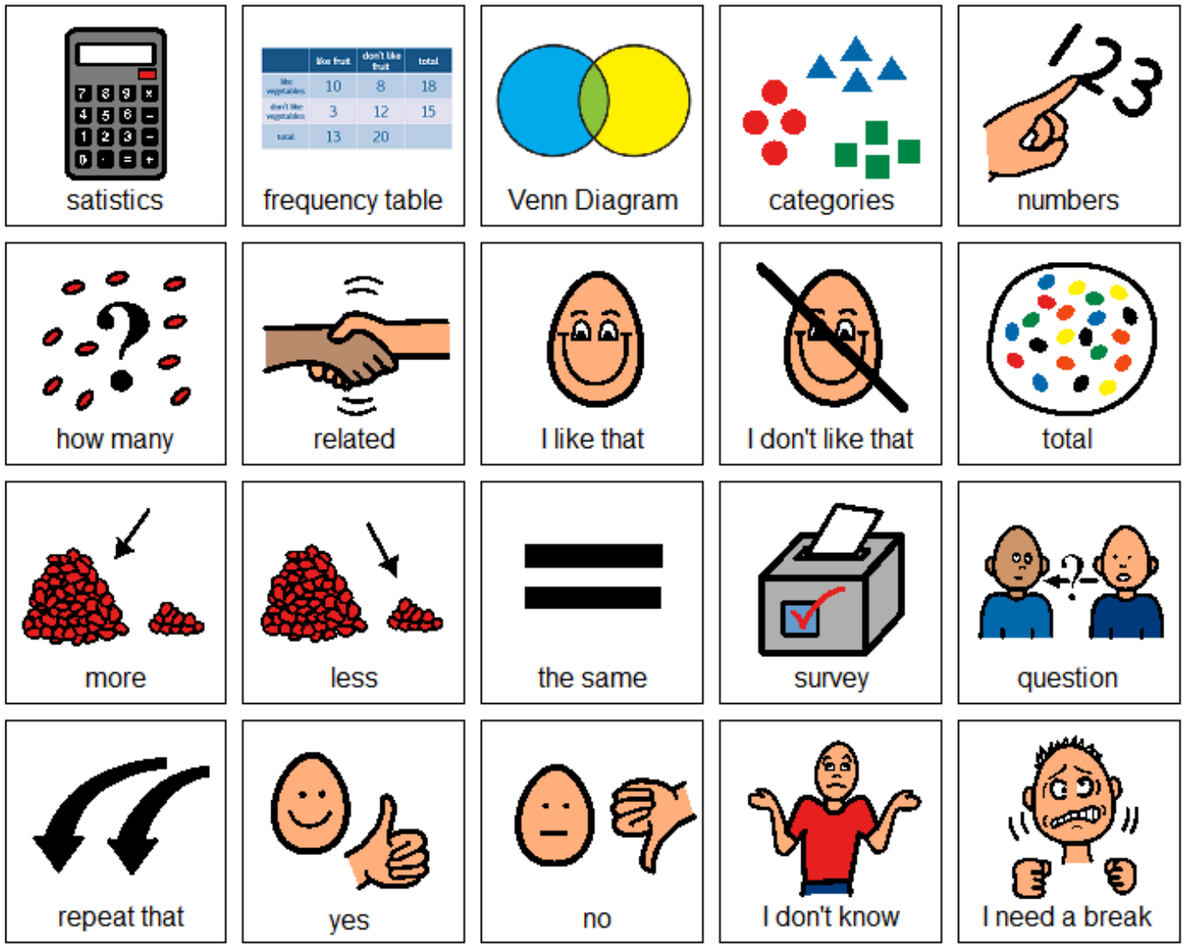
books

Every unit has a book with simple text and engaging photos. It comes in a pdf, recorded PowerPoint show, and an mp4 file.





vocabulary



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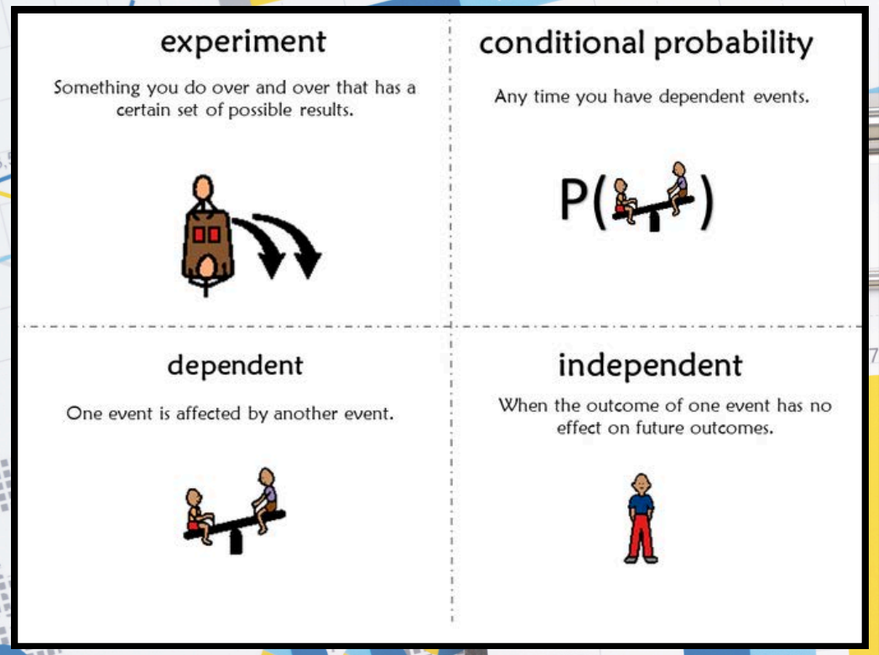
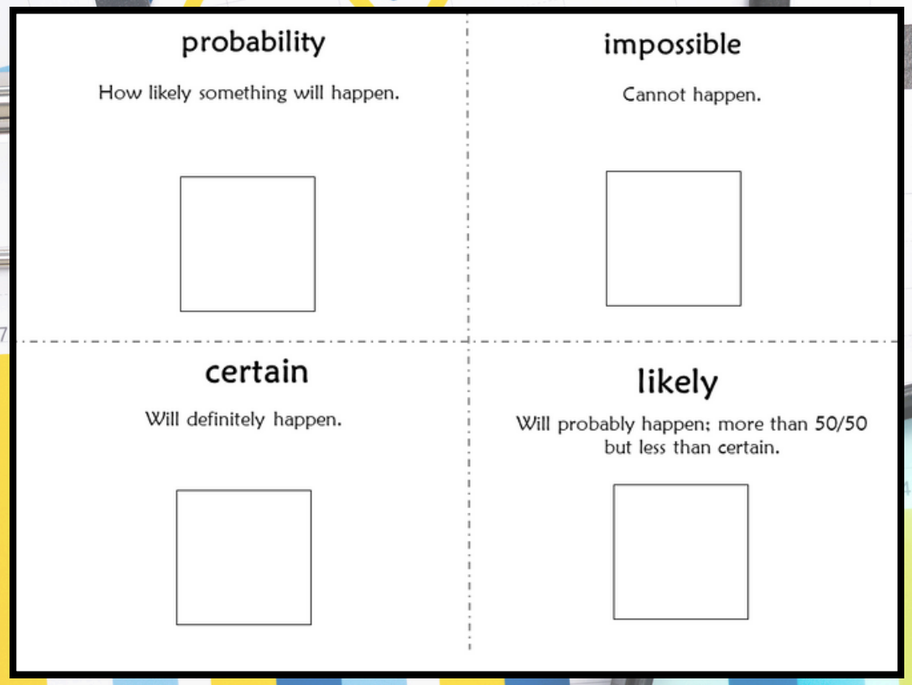
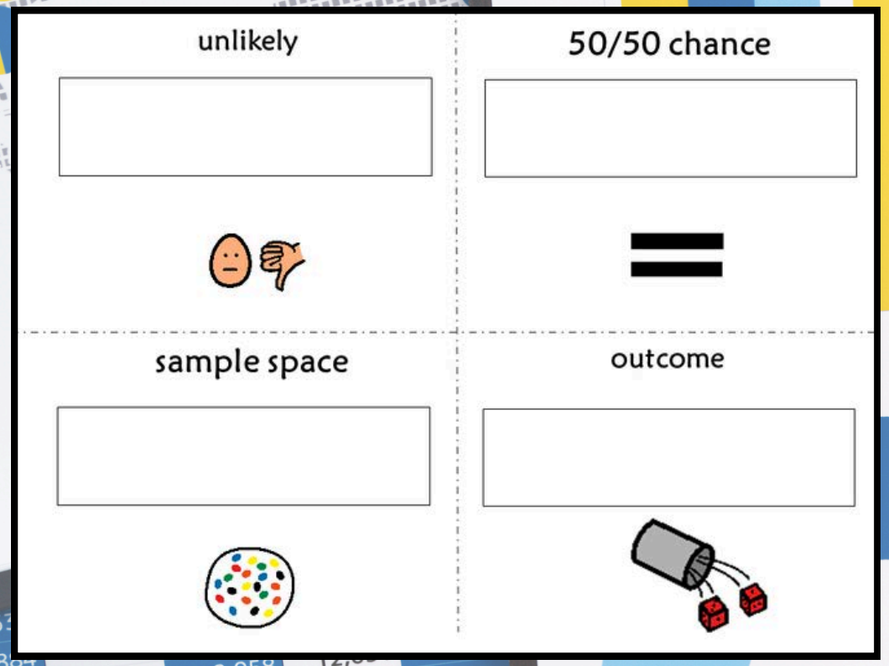
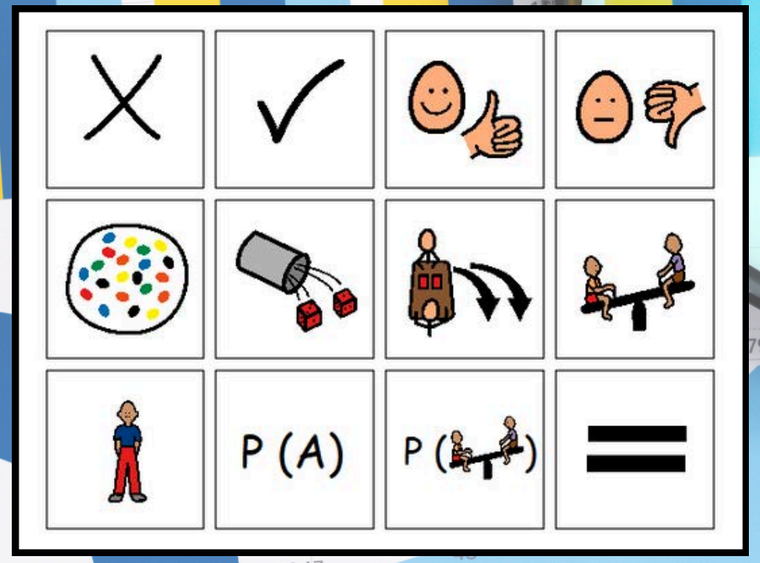
Every unit has a vocabulary board to use while working through the unit. Suggestions for use are included.

vocabulary





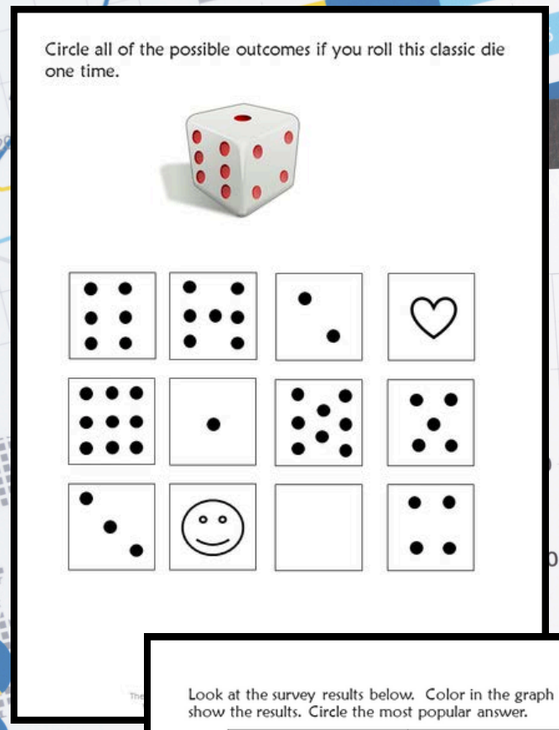


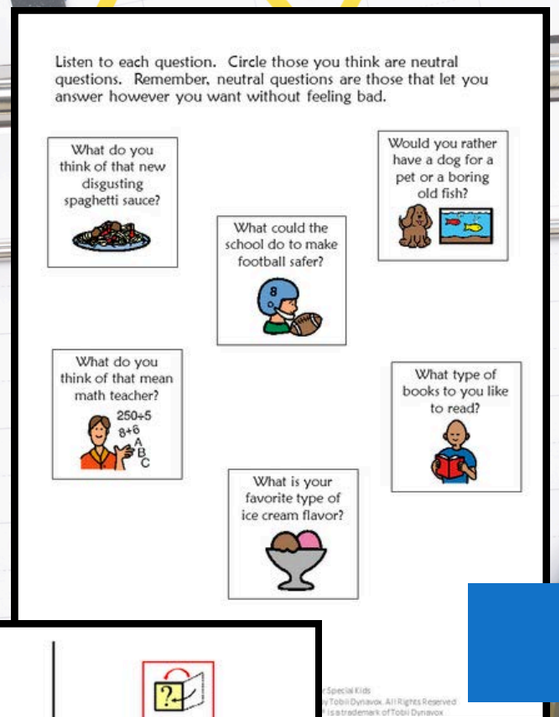


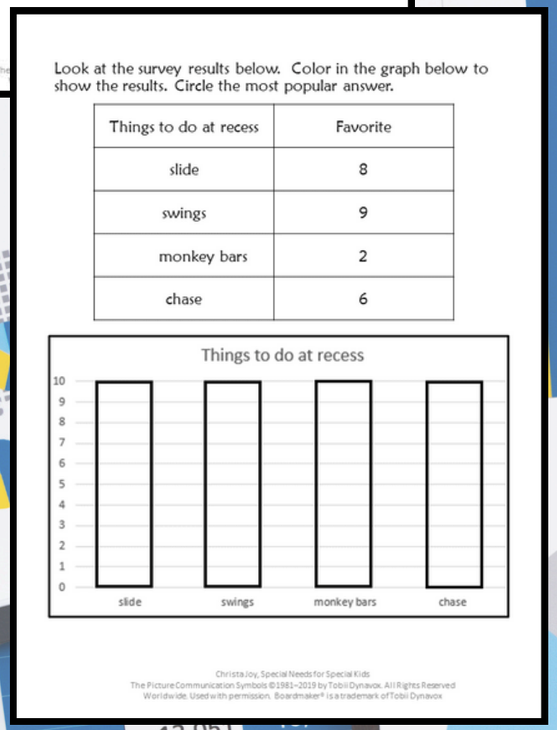
Every unit has vocabulary cards specific to that unit. Also included are cut and paste activities to help review the definitions. There are group activities to do daily to review and work with these new words.

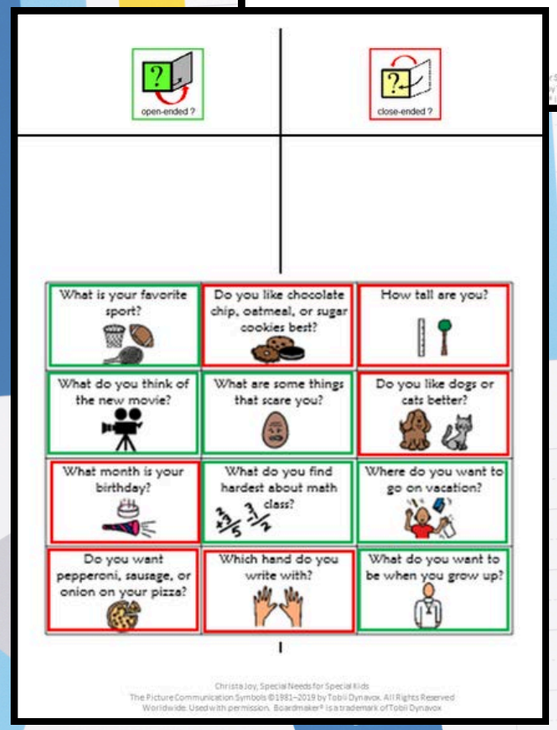
Various other worksheets in each unit target specific skills covered in that unit. Suggestions for differentiation are included, or a second version already differentiated is present.

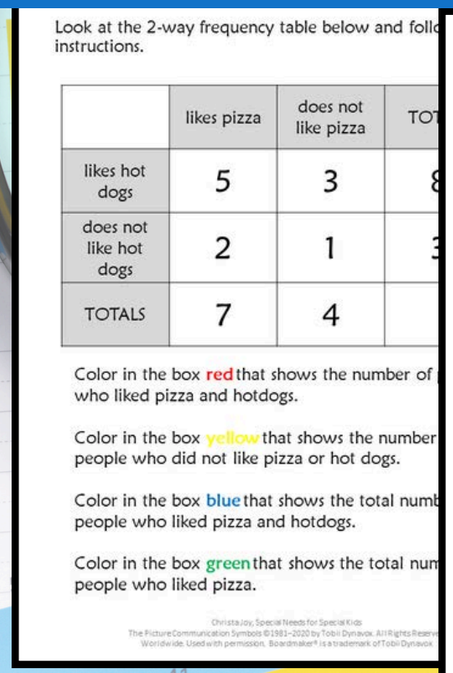
scaffolded worksheets

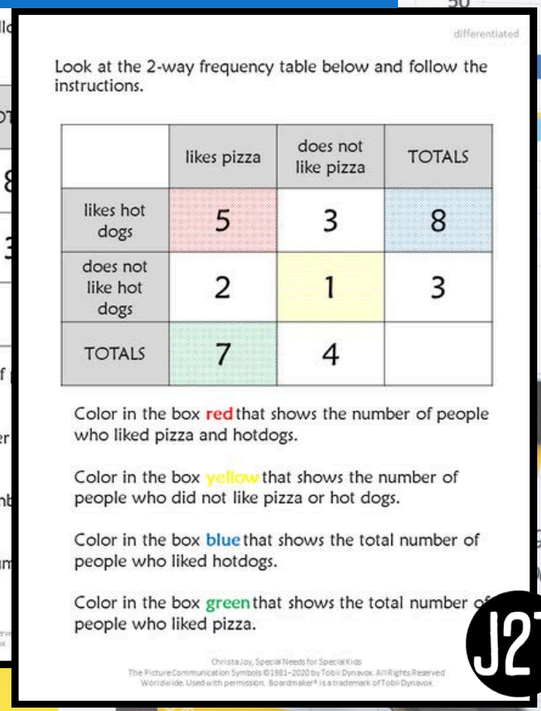




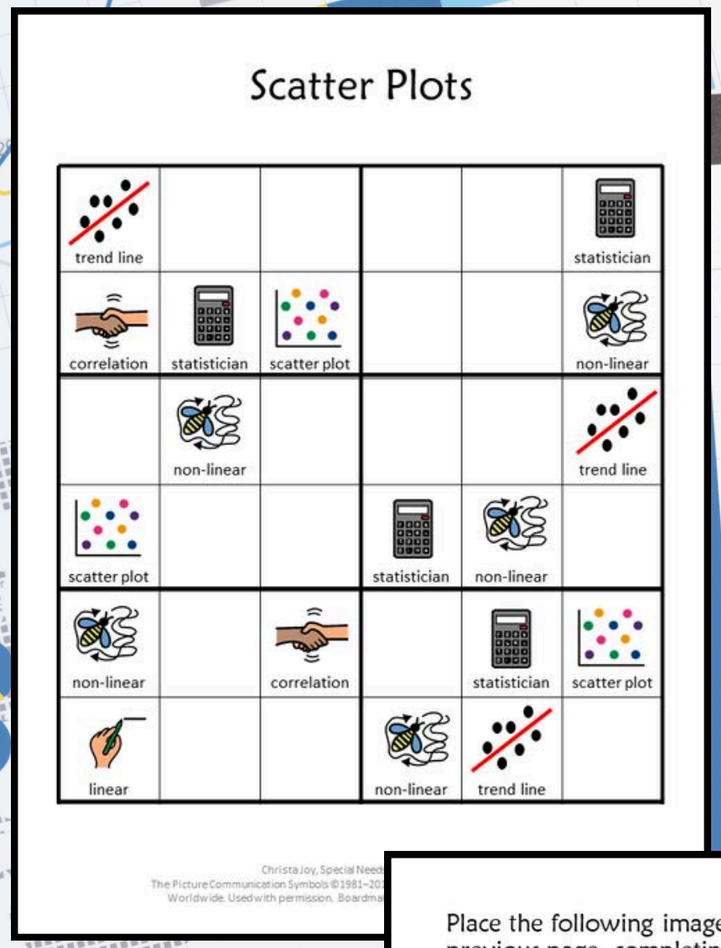


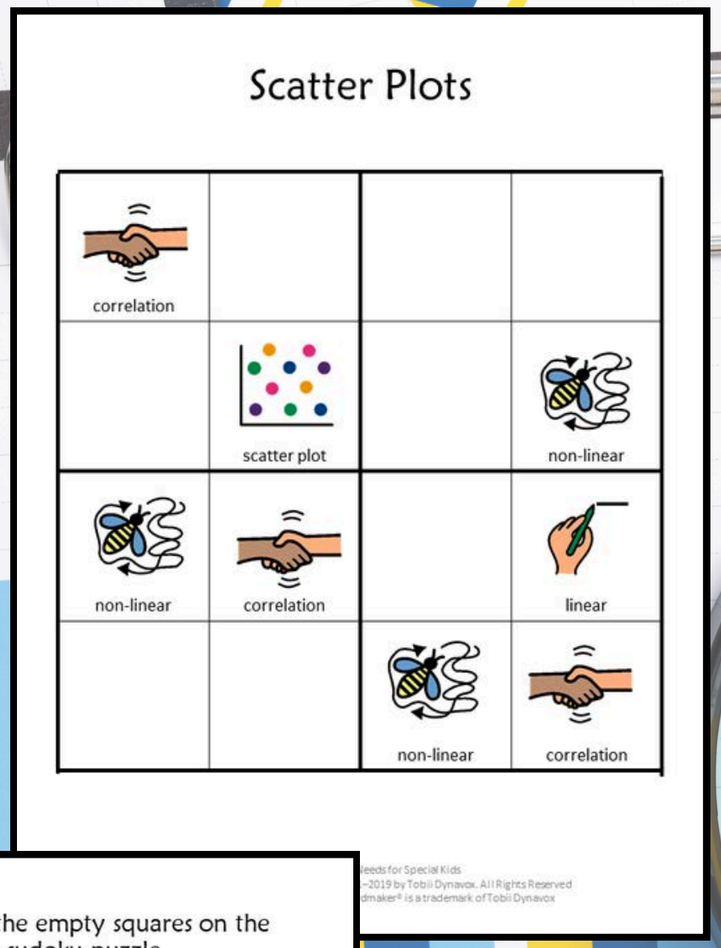


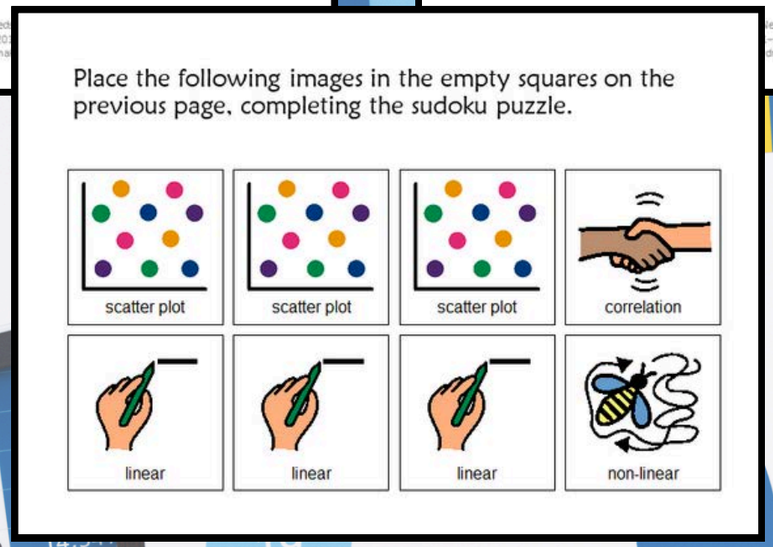




vocabulary puzzles







Each unit has 2 Sudoku puzzles included practicing the vocabulary. One is 6x6 and one is 4x4. Again, suggestions on how to differentiate these are included.

for review

All units include fill-in-the-blank worksheets to review concepts covered in the book and unit.

Conducting Surveys

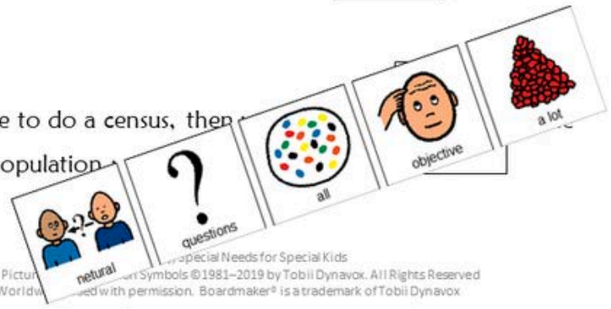
1. What you are trying to learn from a survey is called the ____

2. You develop ____ to help you answer your objective.

3. Open-ended questions can have ____ of answers.

4. You want to make sure your questions are ____ so people feel ok answering them.

5. If you choose to do a census, then ____ people in the population.



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Conducting Surveys

6. If you only ask some of the people, then it is a ____.

7. A random sample means everyone has an ____ chance of being asked to be in the survey.

8. The standard deviation is the range between the ____ and largest results .

9. The ____ is the most likely answer.

10. A good survey will let you ____ answer.

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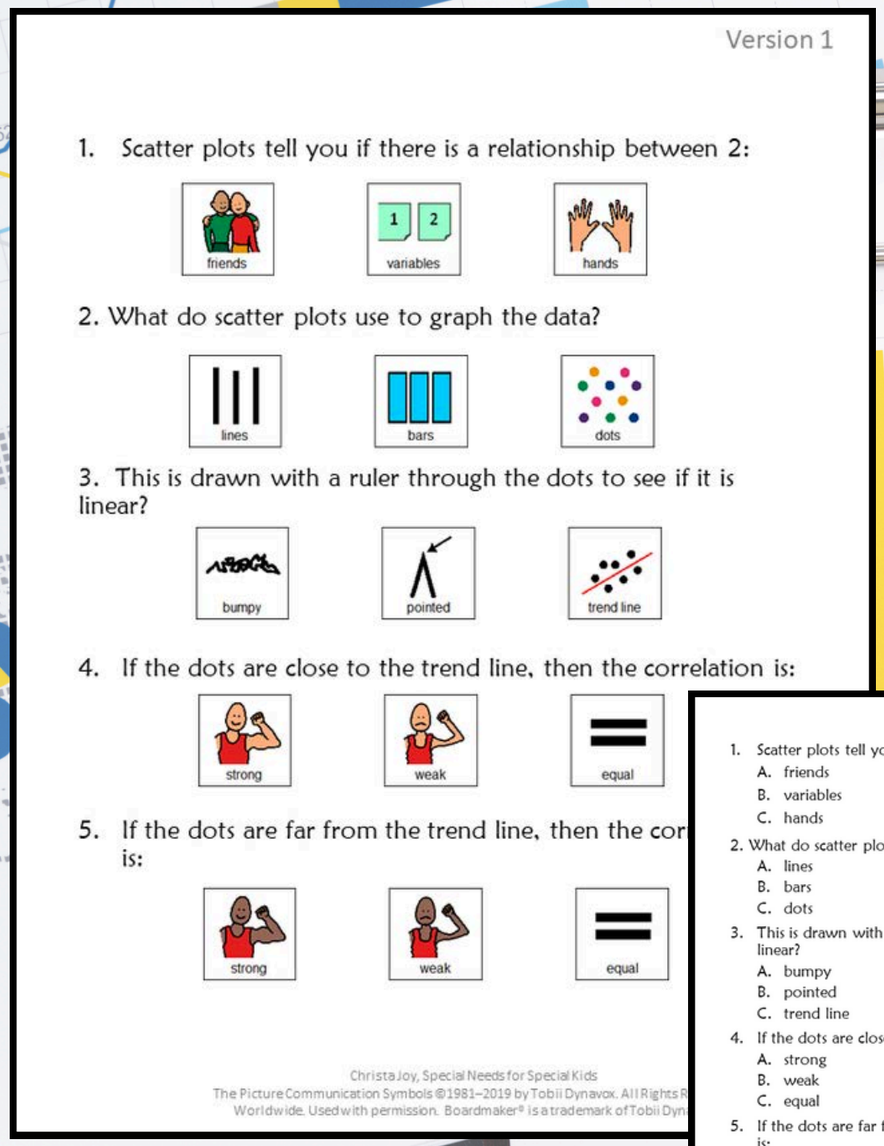
assessment

Finally, each unit has an assessment that is available in 3 versions. These are given 1:1 and read aloud to the student.


Version 1

1. Scatter plots tell you if there is a relationship between 2:

friends | variables | hands

2. What do scatter plots use to graph the data?

lines | bars | dots

3. This is drawn with a ruler through the dots to see if it is linear?

bumpy | pointed | trend line

4. If the dots are close to the trend line, then the correlation is:

strong | weak | equal

5. If the dots are far from the trend line, then the cor
is:

strong | weak | equal

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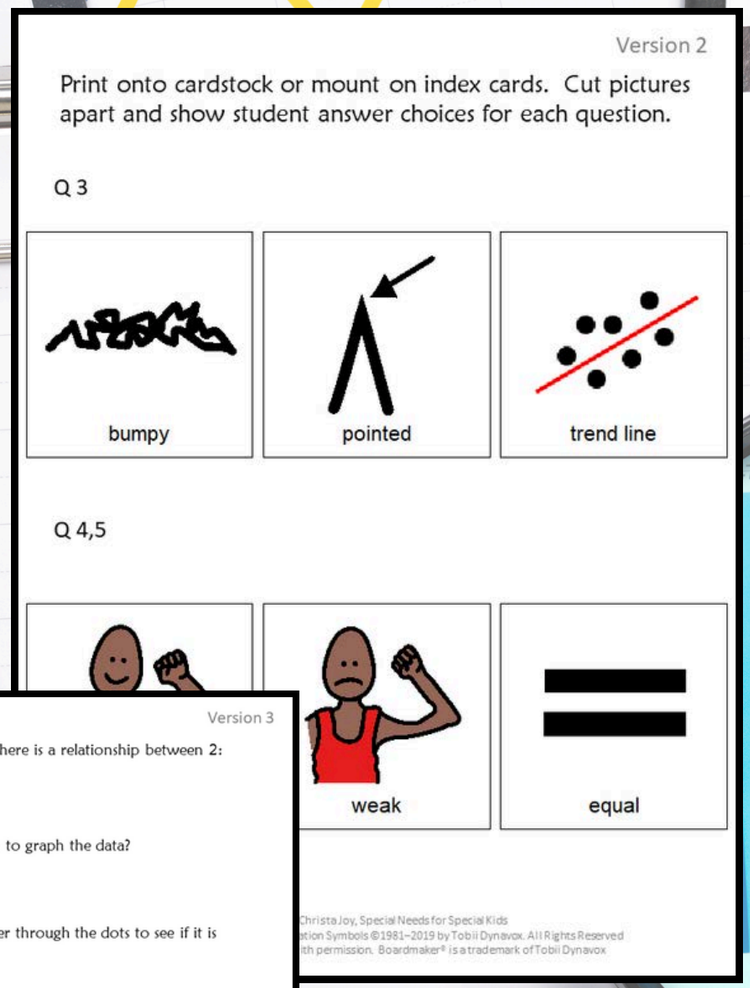
Version 2

Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

Q 3

bumpy | pointed | trend line

Q 4,5

weak | equal

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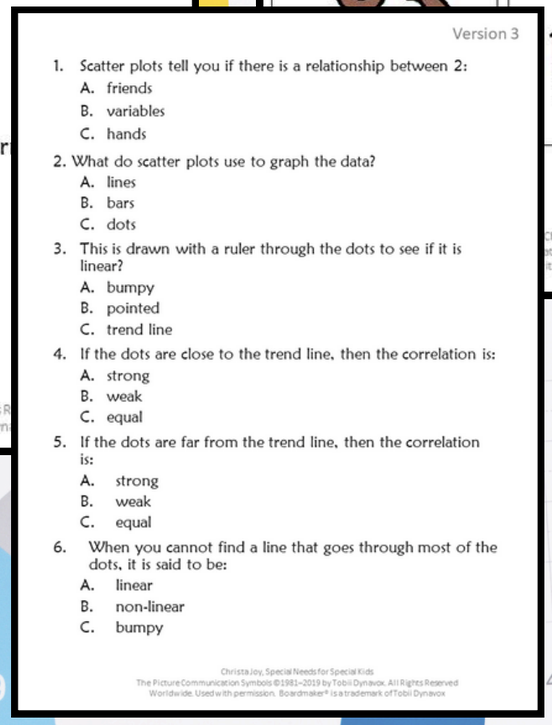
Version 3

1. Scatter plots tell you if there is a relationship between 2:
   A. friends
   B. variables
   C. hands
2. What do scatter plots use to graph the data?
   A. lines
   B. bars
   C. dots
3. This is drawn with a ruler through the dots to see if it is linear?
   A. bumpy
   B. pointed
   C. trend line
4. If the dots are close to the trend line, then the correlation is:
   A. strong
   B. weak
   C. equal
5. If the dots are far from the trend line, then the correlation is:
   A. strong
   B. weak
   C. equal
6. When you cannot find a line that goes through most of the dots, it is said to be:
   A. linear
   B. non-linear
   C. bumpy

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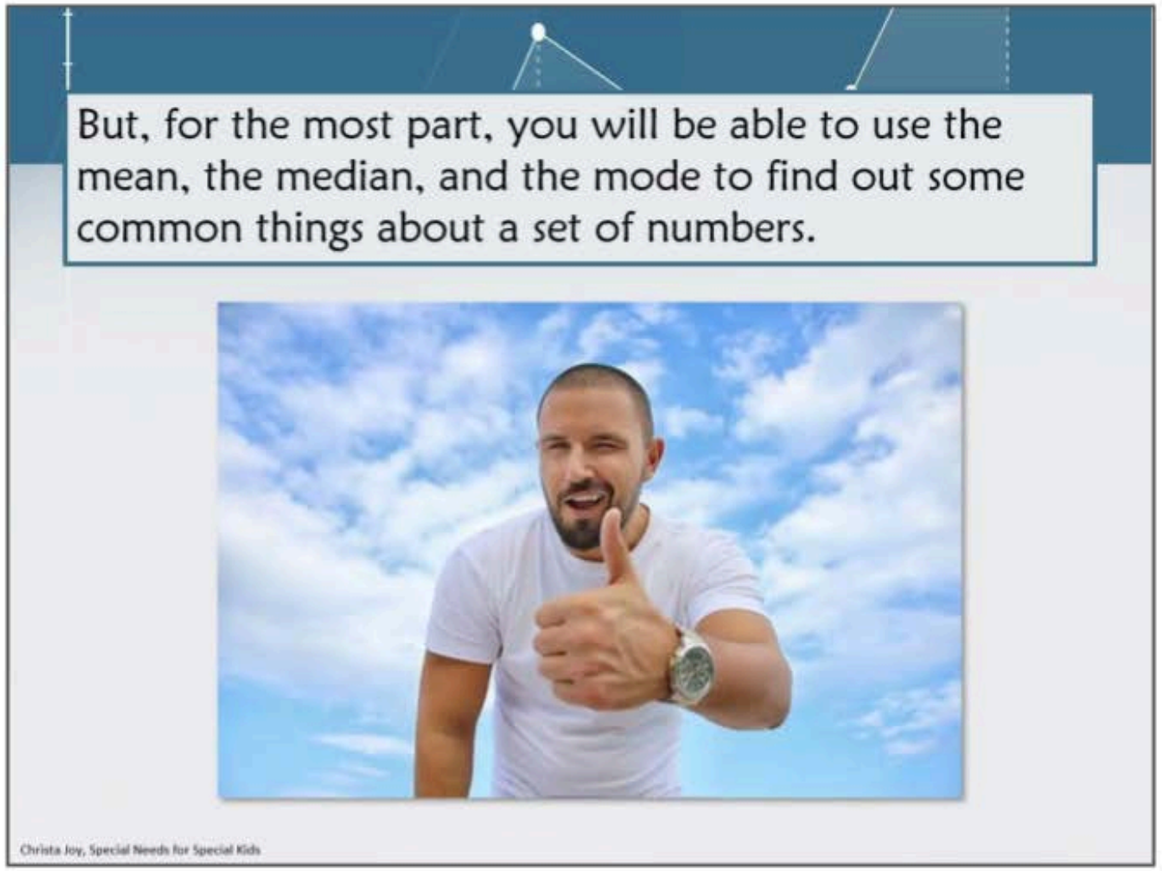
All of these units include digital versions of the activities. These require the student to click and drag the answers. There is no drawing or typing involved.

There is a movie version of the book.

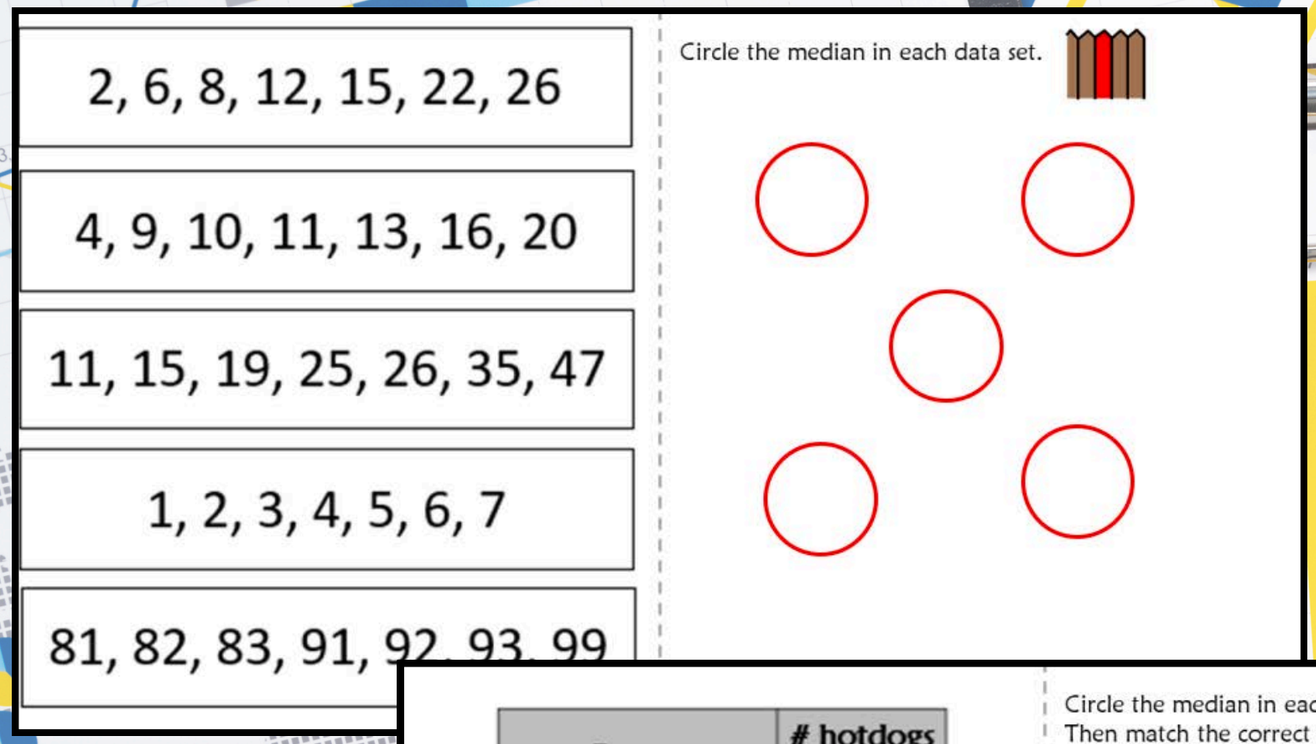
There are 2 complete sets of slides. One set is differentiated by color.

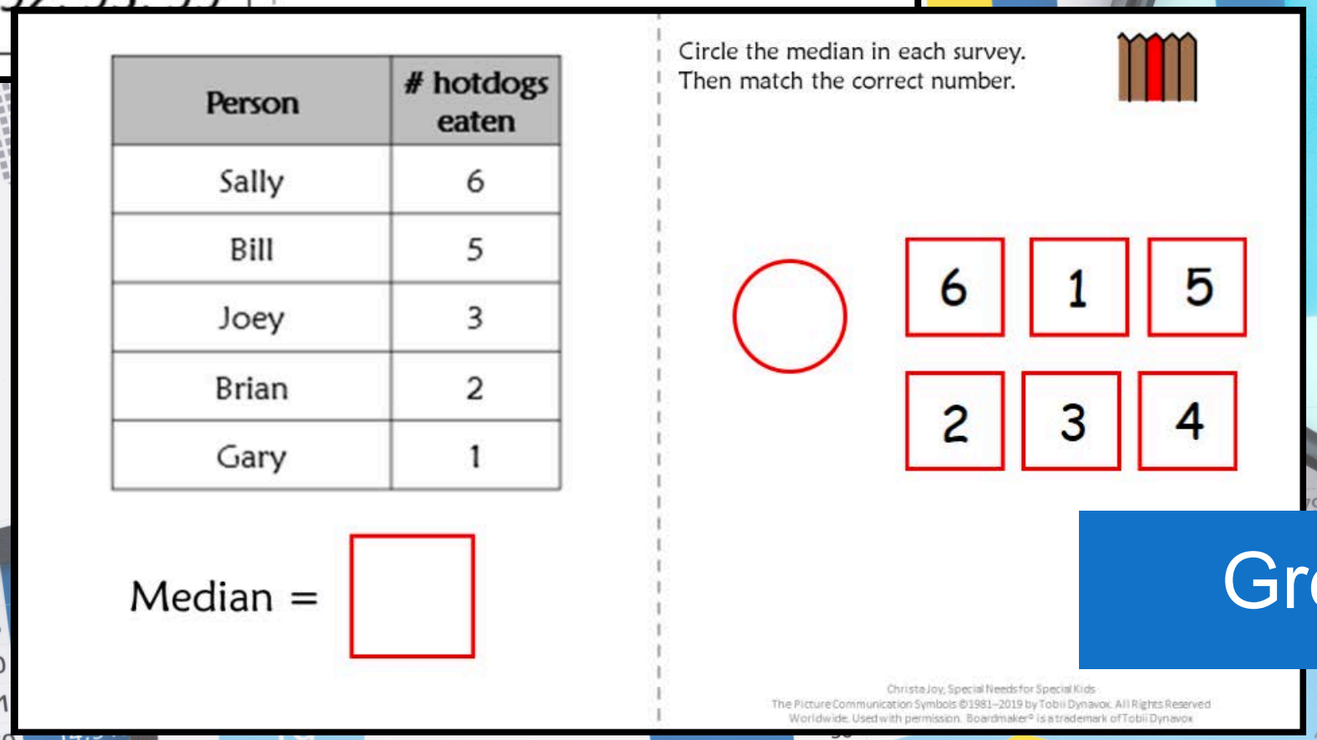
Make great independent learning centers.

Watch the movie on mean, mode, and median.



The movie version of the book from the unit.





The digital activities are click and drag.

Great for review

Perfect for any learning level

1,5,6,7,9

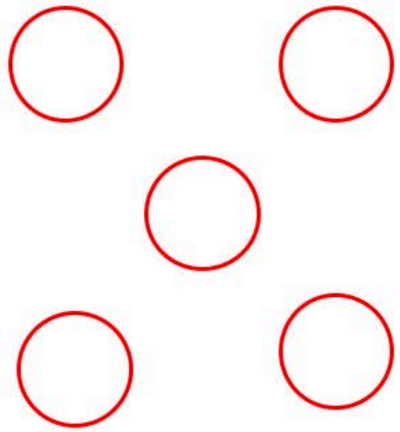
1,2,5,8,10

2,3,4,7,8

3,6,7,11,12

1,2,3,4,16

Circle the median.



Each unit comes with a set of slides that are differentiated with color.

Calculating Mean of this data set.

1, 3, 7, 10, 11

1. First, add all the numbers together using a calculator. 32
2. Check you answer. Did you get 32 ?
   - YES → go onto step 3
   - NO → try again
3. Count the number of values. 5
4. Check you answer. Did you get 5?
   - YES → go onto step 5
   - NO → try again
5. Plug in the values to find the mean.

32 ÷ 5 = 6.4

mean

Answer each question.
Calculate the mean. You will need a calculator.

32 | 32 | 5 | 5 | 6.4

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Still have questions?

Reach out at specialneedsforspecialkids@gmail.com

I will answer your question personally and promptly.