

This unit was created with this guy in mind. He has autism and an intellectual disability. He is a nonreader, has a very short attention span, and has a few foundational math skills. With some support, he is able to do this unit and enjoys the challenge. He is my tester!!

Unit
By
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Special Needs for Special Kids

 narrated and has automatic advancement of slides. Let me know in the feedback if this was helpful ©


This unit has 22 days of activities that will guide students through more calculations with function graphs and function tables. The unit is separated into 2 files, one in color and one in black and white.

This is an advanced unit where students will interpret information in function tables, and do some graphing and simple calculations. The introductory unit lays the foundation to understand what these tables and graphs contain.


This unit covers:

- Interpreting function graphs
- Graphing data from a function table
- Simple calculations of slope
- Identifying $x$ and $y$ intercepts
- Predicting and graphing correlations from a function table


## Includes vocabulary activities and assessments.

These input, output values are referred to as ordered pairs.


There are 3 books in this unit.

1. More on Functions
2. More on Slopes
3. Intercepts and Scatter Plots

- PowerPoint
- voice-recorded PPT
- mp4 movie format

Measurement line that goes across the page.

domain
List of input values that corresponds to locations on the $X$ axis.

| NPUT | OUTPUT |
| :---: | :---: |
| 1 | 5 |
| 2 | 4 |
| 3 | 3 |
| 4 | 2 |

Y-axis
Measurement line that goes from top to bottom on the page.

range
List of input values that corresponds to locations on the $Y$ axis.

intercept


X-intercept


Input value and correlated output value. Point on the graph.

run
How far across the graph from one point to another.

$22_{10}^{20}+3 x$


## Match table to graph

| INPUT (X) | OUTPUT(Y) |
| :---: | :---: |
| 2 | 1 |
| 8 | 4 |
| 16 | 8 |
| 20 | 10 |



| INPUT (X) | OUTPUT(Y) |
| :---: | :---: |
| 4 | 16 |
| 9 | 11 |
| 14 | 6 |
| 19 | 1 |




There are 10 worksheets where students will match the graph to the function table it came from.

Plot the following inputs and outputs from the function table onto the graph, and answer the questions.

| INPUT (X) | Output (Y) |
| :---: | :---: |
| 4 | 4 |
| 6 | 5 |
| 8 | 6 |
| 10 | 7 |



## Graphing data from a

 function table

Look at the tables and graphs below. Choose which ordered pair would be a possible solution for the graph.

## Find viable ordered pairs

| INPUT (X) | OUTPUT (Y) |
| :---: | :---: |
| 5 | 1 |
| 7 | 3 |
| 8 | 4 |
| 10 | 6 |

There are 5 worksheets where students will look at a linear function graph created from a function table. There are several ordered pairs. Students choose the one that would be part of the graph but is not shown.



1. Look at the data table **especially the labels**

Predict what you think the correlation will be (circle your choice) Graph the data points
Check your prediction and circle the correlation

## Putting it all together

| \# crayons | \# cupcakes |
| :---: | :---: |
| 10 | 6 |
| 3 | 10 |
| 8 | 2 |
| 1 | 1 |



## Predict the relationship: <br>  <br> positive

Actual relationship:
positive
 prediction.

Finally, students will use all they have practiced looking at a function table, predict the relationship, plot the ordered pairs and draw the linear function graph to check their



Place the following images in the empty squares on the previous page, completing the sudoku puzzle.


There is a Sudoku puzzle in this unit as well. This is a great way to work with the new vocabulary!!

There are 2 versions ( $6 \times 6$ and $4 \times 4$ ) plus answer keys.

1. The domain relates to values on the:

2. Values on the $y$ axis are called the:

3. This tells you far UP you need to go to get to the next dot:

4. The RUN tells you how far you have

5. What is the slope in this formula $y=4$



6. The domain relates to values on the
A. Slope
B. $X$-axis
7. Values on the $y$ axis are called the
A. Domain
B. Golf course
C. Range
8. This tells you far UP you need to go to get to the next dot: A. Rise B. Thermometer
C. Run
9. The RUN tells you how far you have to go:
A. Under
B. Across
10. What is the slope in this formula $y=4 x+5$ ?
A. 4
B. $Y$
11. We use this tool to tell if there is a relationship between data points:
A. Tape measure
B. Scatter plot
C. Scale

## Q 5, 10

## Covers main ideas

FINALLY the assessment!! There are 3 versions.

- 10 questions with 3 picture choices for each question
- cut out the answer choices and glue them on index cards
- traditional multiple choice


## Answer key included.

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

- 22 days of lesson plans
- Color version of activities
- Black and white version of activities
- More on Functions book (PowerPoint) to use with activities
- More on Slope book (PowerPoint) to use with activities
- Intercepts and Scatter Plots book (PowerPoint) to use with activities
- Digital versions of activities


## Also digital activities





## SAVE MONEY AND GET THIS UNIT AS PART OF THE LINEAR FUNCTION BUNDLE

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