

Show What you Know - Algebra

Now that we have learned everything about tables, graphs, and equations of a line, it is time to show what you know.

For this project, you will create a movie in Explain Everything. The items listed below will earn you a B.

1. **Explain the Problem:** Select a problem we have done in class and explain the set up or scenario. Here are your choices:
 - a. Wind up car
 - b. Water dropper
 - c. Tootsie pop
2. **Compile information:** After explaining, you will collect data and document that data in a table as well as images or video. Video might be the best way to show this data collection.
3. **Share solution:** Graph your data, draw a line of best fit, and answer the following questions about your table and information.
 - a. Find the slope of your data. Explain how you found the slope and what it describes. Make sure you add the units and include those units when describing the slope in a sentence.
 - b. Explain the y-intercept and explain what it means using units from the problem.
 - c. Write the equation for the line and explain how you arrived at that equation.

The items above will earn you a basic completion badge that is worth 80%. To improve your grade, consider completing some of the bonus options below:

1. **App Smashing Badge (10%)** -Use two additional apps not including the camera tool or Explain Everything.
2. **Application Badge (10%)** - Create a connection to how these math concepts are used in real life.
3. **Innovation (20%)**- Create your own experiment to test, graph, and explain answers to number 3. What else can you test?

Steps:

Storyboard due Tuesday for your in class 10 points

Peer Review Thursday beginning of period

Show and Tell on Friday

Rubric

	1	2	3	4	Total
Math Content	There are several mistakes and much of the math is not shown.	The basics of the problem is there but no detail in problem solving and maybe a mistake.	All math solved correctly and steps shown.	Math is completed correctly. Each of the steps to solving the math problem are shown and explained in great detail.	
Creativity	There were no images, video or effects to enhance the screencast or the effects or images were distracting.	One image or video that supports understanding the problem.	There were images, videos, and effects in the screencast.	The author used images, videos and effects to show the problem and support the step by step problem solving process.	
Total Points					