

Math: Week of June 5 - June 11

Topic: Graphing

This week we are going to be making graphs. You will need to graph points and then connect your points to make a line. Also, remember to give your graphs titles and to label both of your axis.

- 1) Watch the following video to review/learn how to make a line graph:

<https://www.youtube.com/watch?v=n2YkbdNORp8>

- 2) Graphs are often used in social studies and science because they are a great way to share numerical information about a topic. In social studies we are studying about the 13 original colonies of the United States. We're going to be making a graph about cod fishing in the northern colonies. Here's what a cod looks like:



- 3) Read pages 180-183 of the packet titled *Cod Fishing*.
- 4) Look carefully at the example on page 182.
- 5) Now it's time for you to make your first line graph. **You are going to be making a graph for the data on page 183.** Follow these steps:
 - Get out your graph paper.
 - Draw your graph axis.
 - On the x axis (the horizontal line write the years. Leave a couple of spaces between each year so that your graph is nicely spaced. On the y axis write the ship numbers... but... Start with 0 and go by 5's until you get to the largest data number (since the most number of ships was 77 you'll need to go to the number 80.
 - Write your label below each axis. (Year on the x axis and number of ships on the y axis.)

- ❑ Almost Done... plot your points...
- ❑ Connect the points using a ruler or straight edge. Sorry, no sloppy lines allowed on graphs.
- ❑ Add a title to the top of the graph. Your title should tell what the graph is about. Remember, all key words in a title should be capitalized.

6) Now, it's time for you to make another graph. If you want to find your own data... go for it! There's lots of data to be found on the Internet although it can sometimes be hard to find it. Or.... you can use this data. This is the data from Google on how many people searched for information on COVID-19 masks from the La Conner area code. (Yep, Google actually collects data on us -- scary, eh?)

Choice: If you feel like a challenge try using a graphing program on your computer. Check out this site to use for the next problem.

https://nces.ed.gov/nceskids/graphing/classic/line_data.asp

Graph this data. Be sure you follow all the steps that we did in question 4.

Week of COVID outbreak starting March 1	Number of Google searches on masks for LaConner zip code
1	0
2	11
3	62
4	28
5	18
6	16
7	90
9	75
10	93
11	100
12	116
13	97
14	68
15	30



7) What conclusion can you make from your graph? What is your graph telling you? Why is this exact information important?

From my graph I can make this conclusion _____
