For my cutting board I originally used tools that the father of geometry, Euclid, used. These tools included a straight edge and a compass. After we made these constructions using these tools we used Adobe Illustrator to make our constructions perfect. I preferred the more modern tool of Illustrator because of the ease of making it precise. Unlike when I did it by hand and had to work for a longer amount of time just to make something straight or exact. In this construction I used mainly equilateral triangles and copying a line segment.

In this project I investigated how I could mathematically:

1. Show the change in carbohydrates from seed to baked bread through the slope of the graph.

2. We learned about bakers percentage and the impact it has on our loafs of bread.

3. Construct a shape mathematically using a straight edge and a compass.

Our second loaf was very salty because we did not know the importance of percentages. We assumed that making the salt percentage 3% would not be a big deal but we learned the hard way that it is a big deal. Not only did the bread taste extra salty, but we also burnt the crust, and made the bread dry. We also happened to learn the difference between teaspoons and tablespoons, by adding a tbsp of food coloring, instead of a tsp.

Our final loaf was by far our best. Not only was the consistency perfect, but also the crust was not burnt. This was probably due to our hydration percentage which is 50%.
Amount of Carbohydrates in Steps

As you can see the seed has a low level of carbohydrates originally but decreases even more when it grows to grass.

From grass it grows into a sheave of wheat, and becomes the original carbohydrate level. After that it increases a large amount from a sheave to flour.

From this point the carbohydrate level decreased from flour to dough and the carbohydrate levels stayed the same until the end.

Mesured in 50 gram increments

\[ f(x) = \begin{cases} 
-15x+55 & 1 \leq x \leq 2 \\
15x-35 & 2 \leq x \leq 3 \\
130x-350 & 3 \leq x \leq 4 \\
-37x+318 & 4 \leq x \leq 5 \\
133 & 5 \leq x \leq 7 
\end{cases} \]