

Egg osmosis lab

Abstract

During the egg osmosis lab, we wanted to see how different substances affect osmosis in an egg. To do this we dissolved the shell of the egg and then observed the changes over the course of a week. This lab used analyzing data and computational thinking. We had to take measurements and weigh the egg then take this data and make graphs that compared our data. We looked specifically at how much weight in grams the egg gained or lost. Designing and executing scientific investigations was the second domain that we used, we needed to create a hypothesis and then apply it to our experiment. We also had to collect and report data.

Reflection

I learned about how water moves in and out of a cell depending on the substance it is surrounded by and whether it will shrink or expand. We also used retrieval practice starting the project one day then coming back to it the next day.

If I were to do this project again, I would probably use another liquid to see how the egg can react to it. I would also take pictures of my projects to use in the poster.