

Log Book

James-November 23, 2023

We had a work block at school today, I did more background research, I should have created this earlier but I have already got a lot of work done, including getting my scientific question done and starting background research.

James-November 30, 2023

I did more background research today, mostly on materials that block radiation.

Emil-December 21, 2023

I started working again on my log book today only because I didn't have the time to do it earlier on. Now, I don't have many hobbies and have found the time to work on this. Today I started finding sources for background research with James. We listed what barriers are good at blocking radiation.

Emil-November 30, 2023

I did some research today on more sources for background research.

Emil-January 9, 2024

I did some more background research today and James and I found a good quote from a website about barriers that block radiation well.

Emil-January 11, 2024

Today I found a good website with information on how Brazil nuts get their radiation.

James-January 17, 2024

Sadly I have forgotten to write in here so that is why I have not written in a while. We have figured out our possible sources of radiation and are going to look at them today and hopefully get some for testing. We are almost done with our background research write-up. I think we have all our possible shield materials down but I will have to check in with Emil tomorrow.

James-February 8, 2024

Today I tested whether to use ground Brazil nuts or whole Brazil nuts and got an average, I printed a Figure 1. I also set up a science fair binder.

James-February 9, 2024

Today I have gotten the averages of bananas versus Brazil nuts. According to the averages I should use whole bananas but according to research, I should use Brazil nuts. I have printed the graph of averages to put in my science fair binder. I will have to think about what to use as our source of radiation, also we now have our trifold.

James-February 10, 2024

Today I have started to do our tests and worked with Emil on our trifold design, hopefully, tomorrow we will finish our testing so that we can start typing everything. It is coming together!

Emil-February 11, 2024

Today I met with James to work on our tests. We got a lot of good results with a few that did not make sense. We also changed the title of our project and made plans for what we each have to do over the break.

James-February 11, 2024

Today me and Emil got together at my house and did a lot of testing with our barriers, we have changed our project title to Finding Better Materials To Protect Future Generations From the Effects of Radioactivity. We have also constructed plans for the break. What are you doing?

Emil-February 12, 2024

Today I did one of my two sources of errors I need to do. These are two of the things I am supposed to do over the break. I finished the source of error on the thickness of the barriers. This is about how the barrier might block more radiation because it is thicker than other barriers.

Emil-February 20, 2024

Today I finished the second source of error I had to do and started one of our real-world applications. This one is about how we could use our results to protect future life on Mars and for space travel.

Emil-February 21, 2024

I almost finished my Mars real-world application today. It is coming along well.

James-February 24, 2024

Yesterday me and Emil finished our 6th barrier trial and started printing things out. Today me and Emil worked on our Science Fair Presentation and printed out our graphs and some photos as well as our results. We have finished our real-world applications and are working on designing our trifold.

Emil-February 25, 2024

Today I worked on formatting background research. I started the quotes and evidence needed in the background research.

Emil-February 26, 2024

I did more formatting on background research today.

Emil-February 27, 2024

I again worked on formatting our background research and am nearing the end of the quotes and evidence.

Emil-February 28, 2024

Today I worked on formatting our background research. I also started working on our oral presentation.

Emil-February 29, 2024

Today I finished the background research. It turned out well. I also worked on our oral presentation.

Emil-March 2, 2024

Today I worked on our oral presentation. It is coming along well!

Emil-March 3, 2024

I worked on our oral presentation again today.

James-March 4, 2024

I worked with my mom tonight until about 9 PM and got our trifold ready for the Banded Peak science fair.

James-March 5, 2024

Today we had time in class to work on science fair and me and Emil almost finished our oral presentation. I also put a lot of things into the CYSF platform.