Logbook (soft copy)

September 9: The Science teacher announced that the science fair was coming up. Like last year, we were reminded to keep a logbook. This year we were given the choice of either in a notebook or a soft copy I chose the soft copy.

- When I went home, I researched science fair projects for 30-45 minutes from various sources such as https://www.momdot.com/75-science-fair-project-ideas/ and https://sciencebob.com/science-fair-ideas/ideas/
- I looked through many of them but didn't find anything I liked or was interested in.

September 13: The Science fair hasn't started yet, but I'm still looking for a project.

- I researched more, but there were only a couple that seemed interesting to me

    1. Explore the relationship between air pressure and the flight distance of a paper airplane.
    2. Investigate the conductivity of different materials.
    3. Study the effects of pollution on local water sources.
- These ideas came from https://www.inspiritai.com/blogs/ai-blog/200-science-fair-ideas, but still, nothing caught my attention

September 16: Science fair has started, and we all were told to write on the Google Classroom who we were partnered with. I am alone.

September 17: The Science club fair started. It started on September 16, but I didn't do any work that day.

September 21: Found a project.

- Building A smart AI-powered waste technology system.

- Thought that it was really interesting until I decided I wanted another project. I recommended it to a friend; she liked it and did it and built the prototype, which worked successfully.

September 23: I went to a store, and a lady was handing out breast cancer awareness materials. I was really interested, but at the time, I didn't see it as an option for the science fair.

October 7: Science teacher/ Science fair coordinator posted the judging tally sheet to give us an idea on what was going to be marked on.

October 19: Science fair coordinator gave me a suggestion to do something on breast cancer detection. And then I searched for breast cancer detection. I came across an article on using AI to detect breast cancer
(source:https://www.breastcancer.org/screening-testing/artificial-intelligence).

October 28: The science fair coordinator told us to upload our information into Google Classroom.

November 5: Finally decided on a project.

- Can an AI-powered app detect breast cancer

Then, I finally started my hypothesis and abstract.

November 11: Still working on my abstract and hypothesis.

November 14: I have finished my hypothesis.

November 16: The Abstract is partially done.

November 19: Both my hypothesis and abstract are done, and I've grammar-checked them and found a couple of corrections.

November 25: Science fair meeting and science fair coordinator checked in on our work and gave me suggestions.

November 29: Started searching for a tutorial on how to create an app for beginners on both Google and YouTube but most of what I saw needed coding experience so I decided to browse on Google instead. (found this website I didn't use it but I took some tips.https://buildfire.com/learn-to-code-mobile-app-fast/)

December 12: Found a beginner-friendly platform (Thunkable) and worked on starting the app but still Thunkable was a bit complicated and couldn't find some necessary components.

December 22: The school science fair was coming up and I found a new platform called MIT App Inventor started the app there and it was much easier and found all the components . (https://appinventor.mit.edu/)

Dec 22-Jan 6: Over the winter break I fully finished my question, hypothesis, abstract, background research, and problem paragraph and sent them to the science teacher for her to check over them.

January 6: The science fair coordinator posted links for ideas on the Google Classroom for us and I took some inspiration.

January 12: Finally finished the writing part of my project and got all of them checked and reviewed.

January 14: Finally finished the full prototype and tested it.

January 15: I bought a trifold for the school science fair and printed out my stuff and started a script for myself I also presented in front of my parents.

January 16: we presented our projects.

January 19: We got awarded I got bronze.

January 21: Altered the app prototype and took the trifold home.

January 30: We were told to finish our ethics due care form quickly.

Jan 30-Mar 13: Finished all online information/finished up results and got it reviewed by the science fair coordinator 2 times.

March 16: All online information was supposed to be finished so that the science teacher could review it.

March 17: Recorded and saved results on both Google Docs and the cysf website and checked my results.

March 18: Went to the library and got my work printed out and put it on my trifold.

March 19: Cut out the title for my project.

March 20: Finished everything just waiting for trifold to dry completely.