

Logbook:

Date: Nov 13, 2025 :	Today we are working on science fair and we created our journals/Logbooks over FaceTime. We are working on a google doc called "Our Project Ideas." We have settled on a project and we are going to be building a plant circuit to automatically water our plants when the soil is dry.	Notes/ Question:
Nov 15, 2025	Today Ms. Summerscales taught a lesson on how to do your research and if a website is credible or not.	
Nov 22, 2025	Today in STEAM we worked on a project that had us make a scientific question and make some subtopics to research.	Ask Brooklyn to help find suitable subtopics and make a scientific question.
December 6, 2025	Today we really needed to to work on our research and have a minimum of 10 sources by January, 2025. We also have made a scientific question!	We need to work on our research.
Jan 5, 2025	Today I worked on getting more research done and tried to get working more on our "Scientific Question Write Up."	Need a minimum of 10 sources for research.
Jan 6, 2025	Today I worked on research in STEAM and did research at home on FaceTime with Brooklyn.	How do we do a Scientific Question Write up?

Jan 7, 2025	Today in STEAM we got our write up okayed by ms Summerscales and we submitted it to the platform under "Hypothesis." At home I did a lot of research on soil moisture and how different temperatures affect a plant.	How do we code a python?
Jan 17, 2025	Today in STEAM we had to turn in our research that we had been working on for a few months. We worked on materials and procedure and added a little bit more to variables.	
Jan 20, 2025	Today Ava went over to Brooklyn's house and we planted our seeds and took it back to Ava's house to sprout. The pump for our coded method wasn't ready to start the experiment so, Ava is going to handwater them until the 27th. We are giving our plants 2 tablespoons a day. We also have a heatlamp set over all four of our plants. We need to finish our materials and procedure. We also added another controlled variable to the google doc.	
Jan 21, 2025	Today Ava watered the plants and gave them 2 tablespoons. Since the heat lamp wasn't working anymore, I got another one of my heat lamps and screwed the reptile lamps 50w light bulb. I switched the plants around because some were getting more sunlight then others and drying up. I also put saran wrap over each of the pots because we found that they were drying up so the saran wrap kept the	Don't forget to add the heat lamp problem in the sources of error in our oral presentation.

	<p>humidity trapped in the pot causing them to sprout and help the sunflower grow. I am also going to going to try doing 1 tablespoon before school and the second after school and see if the humidity stays in there for longer.</p>	
Jan 22, 2025	<p>I watered the plants and switched the pots so they got more sunlight. I also changed the 50w light bulb to the 25w light bulb so they wouldn't dry out.</p>	<p>Mention the changes in "Observation"</p> <p>Finish Science Fair Research Copy 2.</p>
Jan 23, 2025	<p>Today after school I watered the plants and the saran wrap is helping a lot with trapping the humidity in the plants. The plants haven't really changed since we started. I also added more variables.</p>	
Jan 24, 2025	<p>Today I went to check on the plants and to water 1 tablespoon in the morning. Fortunately, 3 plants have sprouted and are looking healthy. Today in STEAM we did our hypothesis (Experimental and Design) and did procedure</p>	
Jan 25, 2025	<p>Today I watered the plants and took off the saran wrap for a few days because all of the plants (Except 3) have sprouted and are green and have lost the seed. We made 2 timelapses about them that we could play if we wanted to during our oral presentation. Brooklyn is coming over to our house on Monday to work on science fair.</p>	<p>Make the time lapses into a cap cut video.</p>
Jan 26, 2025	<p>Today I watered the plants and they are all tall,green, and thriving.</p>	<p>Last day to water them is tomorrow.</p>

Jan 27, 2025	Last day to water the plants before Brooklyn takes them back to her house tomorrow. I watered the plants and me and Brooklyn worked on our hypothesis and are getting a mentor from the university.	Add switching plants time in sources of error.
Jan 28, 2025	Brooklyn came over to my house and we finished the hypothesis and she took the plants over to her house. The coded method isn't working so Ms summerscales said that we might have to just measure the soil moisture. Our university mentor is coming next Friday to help us with our project. (Over FaceTime)	
Feb 6, 2025	Today me and Brooklyn worked on our trifold and made questions for our mentor tomorrow. I get the plants and our systems on Saturday.	
Feb. 7, 2025	We met our mentor , Parker, and he gave us a lot of advice for our oral presentation. We worked on our procedure and we are doing multiple for setting up the coded method.	
Feb 8, 2025	Today Brooklyn came over and set up the big tray of plants that had our methods in it. She told me how to work the coded machine and how to control it.	
Feb 9, 2025	I filled out the charts Brooklyn gave me to record the data for our graphs. I am supposed to do it every 3 days. It is going really well and I haven't had any problems with it. Finished	

	procedure. (Finally)	
Feb 14, 2025	I worked on STEAM research and getting it organized.	
Feb 16, 2025	For the past few days I have been recording and filling out the charts about the plants average height and how much water it is using every 3 days.	
Feb. 24, 2025	The coded machine stopped working so now we might have to stop our experiment and do the data analysis.	
Feb 28, 2025	We worked on research and getting it okayed by Ms. Summerscales. We started our Sources of Error and Acknowledgements.	
Feb ?, 2025	We got our graphs made and did our results and conclusion.	
Mar 7, 2025	We got our acknowledgements, Research, Discussion/ Sources of Error, Conclusion, and Results done and submitted to the platform	
Mar 8, 2025	I went to staples and we printed our photos out for our trifold. We also got paper for the titles.	
Mar 9, 2025	I went to Brooklyn's house and we printed all our papers and finished our Real World Application.	
Mar 10, 2025	I went to Brooklyn's house and we glued our backs onto our papers and got our title and yellow poster boards done.	
Mar 11, 2025	I went to Brooklyn's house	

	again and we got our information glued to our trifold.	
Mar 14, 2025	The STEAM Showcase...	