

Project Log

<i>Date</i>	<i>Summary of Activity Performed</i>	<i>Time Spent</i>
Oct 22, 2023	Finding the topic for my SF project: Microwave Magic: Seed Germination Optimization	2hrs
Nov 04, 2023	Topic scientific question: How can microwave exposure be utilized to enhance the efficiency and uniformity of seed germination, providing a reliable method to overcome the challenges associated with traditional germination practices in agriculture?	30 minutes
Nov 12, 2023	Background research. defining the scope and purpose. Discussed the potential impact of microwave radiation on seed germination to explore sustainable agricultural practices.	2hrs
Dec 18, 2023	Background research: a thorough review on the current understanding of microwave effects on seed germination.	2hrs
Dec 26, 2023	Background research: explored previous research studies and identified gaps in the existing knowledge.	2hrs

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Dec 09, 2023	Narrowed down the selection of plant species for the experiment. Considered factors such as seed size, growth characteristics, and relevance to agricultural practices.	2hrs and 30 minutes
Dec 10, 2023	Variables: I figured out the independent variable, controlled variable, and the responding variable of my project	1hr
Dec 22, 2022	Started with the germination process, gather and prepared the materials.	2hrs
Dec 24, 2023	Microwaved the seeds to the given time.	1hrs
Dec 25, 2023 to Dec 31, 2023	Monitored the germination progress. Recorded initial observations on seedling growth and overall health.	2hrs

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Jan 21, 2024	Conducted analysis of germination rates and seedling growth. Identified any discernible patterns or differences between the control and experimental groups.	1hr
Jan 27, 2024	Data Analysis: I put the seeds' germination process in different chart to further analyze it.	1hr
Feb 3, 2024	Conclusion: Drafted the preliminary findings and conclusions based on the analyzed data.	2hr and 20 minutes
Feb 11, 2024	Sources of Errors: I worked on identifying the sources of errors that can influence the outcome of the experiment.	2hrs
Feb 17, 2024	Real life application: the implications of microwave exposure on sustainable agriculture.	1hr
Feb 25, 2024	Bibliography and final review: I put all the online resources I gather information from throughout the research and experiment of my project.	2hrs