

Logbook

Genetic Modification on Cyanobacteria to Increase Carbon Capture

Renert School

Grade 8

Alyssa Beazley

Logbook	Date	Actions	Resources	Other Notes
	2023/12/14	Researched on the enzyme formula	Team:Min gdao - 2019.igem.org	None
	2023/12/21	Found gene sequence and plasmid design	Part:BBa K2547000 - parts.igem.org	None
	2023/11/27	Worked on notes for Cyanobacteria genes	Research doc	None
	2023/11/30	Research on Plasmids/Gram Negatives/What are the different types of plasmids and definitions	https://www.sciencedirect.com/topics/biochemistry-genetics-and-molecular-biology/cyanobacteria https://pubs.rsc.org/en/content/articlelanding/2012/ee/c2ee22675h/unauth Prokaryotic Cell: Definition, Examples, & Structure (sciencefacts.net) (image 1) https://www.sciencedirect.com/science	None

			/article/abs/pii/S0961953420304608	
	2023/12/3	Watch video on photosynthesis and take notes	https://www.youtube.com/watch?v=g78utcLQrJ4	Notes are on my research doc. Helped understand background information to research further into the topic.
	2023/12/13	Watch video on gene regulation and take notes	https://www.youtube.com/watch?v=h1QLdtF8d0	Notes are on my research doc.
	2023/12/14	Research on Carbonic Anhydrase	https://www.sciencedirect.com/topics/medicine-and-dentistry/carbonic-anhydrase	Notes are on my research doc.
	2023/21/14	Meet with Dr. Soares	None	Talked and went over research
	2024/1/2	Watched video	Bing Videos	Notes are on my research doc.
	2024/1/3	Called and went over things and also starting writing the written project	None	On written project doc
	2024/1/4	Little bit of research on lacI and found a good website	What is LacI in lac operon? - Studybuff.com	Notes are on my research doc.
	2024/1/12	Ethics	Research	On doc
	2024/1/12	Decorations	None	Finished on Platform
	2024/1/17	Organizing dates and Deadlines	None	None
	2024/1/20	Worked on paper the problem section	Greenhouse gas emissions - Canada.ca	Written on the paper doc
	2024/1/21	Worked on paper	Research	Written on the

		the problem section		paper doc
	2024/2/11	Worked on paper during the weeks before today	None	Written on the paper doc
	2024/2/12	Edited with english teacher	APA sources	Written on the paper doc
	2024/2/17	Worked on the method of the paper and wrote a paragraph on gene regulation	The sources include the ones from my research earlier	Written on the paper doc
	2024/2/18	Worked on the Gene regulation paragraph and	Include the source on the dock	Written on the paper doc
	2024/2/19	Worked on Synthetic Biology Paragraph and photosynthesis part of the presentation	Included on the doc	Written on the paper doc
	2024/2/20	Worked on paper and edited. Worked on part of presentation and asked a few questions to Dr. Soares	None needed	Written on the paper doc
	2024/2/21	Edited paper	None needed	Written on the paper doc
	2024/2/22	Edited paper and researched nucleotides	On Doc	Written on the paper doc
	2024/2/23	Edited Paper and researched on DNA	On Doc	Written on the paper doc
	2024/2/24	Worked on presentation	On Doc	Written on the paper doc
	2024/2/26	Set up a meeting and counited editing	On Doc	Written on the paper doc
	2024/2/27	Edited paper and	On Doc	Written on the

		worked on presentation. Had a meeting with my teacher.		paper doc
	2024/2/28	Worked on presentation layout	On Canva	None
	2024/3/2	Worked on Presentation	On powerpoint	Switched over to powerpoint for the presentation
	2024/3/2	Counted to work on the presentation	On Powerpoint	None
	2024/3/4	Worked on a presentation and did a dry run of the presentation.	On Powerpoint	Feedback from parents was given.
	2024/3/7	Worked on presentation speaker notes	On powerpoint	Feedback from parents was given
	2024/3/8	Shared presentation with Dr. Soares. Editing was compelled. Worked with Ms. Madison on APA formatting on paper. Worked on paper sections and formatting the paper	On Powerpoint Written on paper	Feedback was given from teacher and peer Feedback also given on paper.
	2024/3/9	Worked on Presentation. Worked on paper	On powerpoint. Written on paper.	Feedback was given from parents.
	2024/3/10	Worked on presentation and record it	Used zoom and powerpoint.	Feedback was given and recorded many times.
	2024/3/11	Uploaded some information on the CYSF Platform	Used the platform	None
	2024/3/12	Uploaded video and more	Used the platform, Written on paper.	Final edits and submission.

		information on the platform. Finished paper.		Citations are included on research papers and written docs.
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