

Logbook

Dec 20	Searching for topics that are environmentally friendly and experimental
Dec 21	Searching for topic
Dec 23	Searching for topic
Dec 24	Found topic
Dec 26	Did research on my topic
Dec 27	Did research on my topic
Dec 28	Created slides
Dec 29	Did research on my topic

Dec 31	Changed topic
Jan 2	Did research on new topic
Jan 3	Did research on new topic
Jan 4	Did research on new topic
Jan 5	Created slides
Jan 7	Did research on new topic
Jan 8	Put information on slides
Jan 9	Tried experiment
Jan 11	Put experiment info on slides
Jan 15	Tried nanoparticles for my experiment

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Dec 20 2025-Brainstorming topics

I began brainstorming ideas for my science fair project I was interested environmental science,so I considered topics like insulation and water After thinking about current environmental issues,I became interested in microplastics because they are a big growing global problem

December 21-22 2025 -Topic research
I research all types of topic looking mainly for something that is environmental and experimental

Dec 23- I found a topic

I found a topic about insulation and researched more

Dec 24-Research

I researched more about this topic and finalized my topic

Dec 27,2025- Found title for topic

I looked at various topics and titles on the Cysf site and found a title

Dec 30th-Started slides

I started my slides and started to put more research on my slides

Dec 31st- Changed topic

After researching more I found a new topic that was about microplastic and water filtration which was what I was mainly looking for in the beginning.

Jan 2nd- Beginning my research on my new topic

I started doing research on microplastics and where they come from

Jan 3- Research

I researched on how how this affects each ecosystem

Jan 4th- Experiment research

I searched on different sites for an experiment

Jan 5th- Experiment research

I found an experiment on different sites and conducted research

Jan 6th- I researched different materials/Created slides

I found that sand has been used in filtration systems

Jan 9th- Experiment research

I learned about how coal can have a big effect on my topic

Jan 10th-Experiment research

I researched about pebbles and how it is used in common filters

Jan 11-Experiment research

I researched how cotton can be used and how effective it is

Jan 13-Experiment research

I researched if nanotechnology could be useful in my project

Jan 14 -Materials

I conducted a Materials list

Jan 15- Experiment research

I thought about how I would set up the experiment

Jan 16- I wrote my procedure out

Jan 17 - I wrote my variables and made sure they were accurate and fair to the experiment

Jan 18- I bought all my materials and made sure I had all the materials

Jan 19-I double-checked my procedure

Jan 20- I reviewed notes

Jan 23-I made a table based on the experiment to check percentage and water clarity

Jan 24- I prepared by pouring water through on filter to practice

Jan 25- I prepare all the filters and wrote down hypothesis

Jan 26-I tested sand in the first trial and wrote observations

Jan 27 -I repeated the experiment with sand again for accuracy

Jan 28--I repeated the experiment with sand again for accuracy

Jan 29- I prepared the materials for coconut coir

Jan 30- I tested the coconut coir and wrote observations down

Jan 31- I tested coconut coir again for accuracy

Feb 1- I tested coconut coir again for accuracy

Feb 2nd -I tested Activated Charcoal and wrote down observations

Feb 3rd- I tested Activated charcoal again for accuracy

Feb 4th-I tested Activated charcoal again for accuracy

Feb 5th- I tried to find an alternate for coconut coir results turned out bad

Feb 7th- Found an alternate which was cotton pads

Feb 9th- I tested cotton pads and wrote down observations

Feb 11th - I tested cotton pads again for accuracy

Feb 12th-I tested cotton pads again for accuracy

Feb 13th- Tried to find another material to experiment with

Feb 15- Found nanotechnology/Finished ethics forms

Feb 16-Put all information about this topic onto slides

Feb 18th-I reviewed all info

Feb 19- checked logbook for any missing entries and completed slides

Feb 20- Completed hypothesis and research

Feb 21 - Completed Variables and procedure

Feb 22- Completed observations and analysis

Feb 23- Completed conclusion and application

Feb 25- Completed sources of error, citations and acknowledgment

Feb 26-Completed
Declarations, Presentations and attachments

Feb 28- Completed Basic project info

March 1st -Recorded some of my slides

March 2nd- Recorded most of my slides

March 3rd - Finished recording

March 4th-

I completed the logbook and reviewed all forms and slides before handing in.