

## Science Fair 2025-2026 Logbook

Nov 7 Decided to be apart of science fair (1 minute)  
Nov 8 Looked at rules and regulation as well as looked at project list (20 minutes)  
Dec 11 Researched to find the main idea as well as related links that may be of use for research  
Dec 12 Read some of the articles we found as well as did light studying on the generic parts of the brain and their basic functions  
Dec 13 Did research on parts of the brain and what they have to do with memory. (1.5 hours)  
Dec 15 Joined Online Portal (2 min)  
Dec 16 Looked at Project Requirements (10 min)  
Dec 17 Submitted Basic Project Info (10 min)  
Dec 21 Filled out Ethics Due Care Form  
Jan 8 Had Meeting with school  
Jan 8 Researched all about the Entorhinal cortex (1.5 hours)  
Jan 8 Filled out Problems (30 minutes)  
Jan 9 Looked at other studies across universities (1 hour)  
Jan 12 Created Hypothesis based off problem (15 minutes)  
Jan 12 Put Hypothesis into portal  
Jan 14 Researched about firing patterns (1 hour)  
Jan 18 Researched Neurons Forms (1 hour)  
Jan 20 Continued to Research about Place Cells and Visual mapping (1 hour)  
Jan 27 Wrote about neurons and cells in notebook (1 hour)  
Jan 30 Resaerch Memory Trace Cells (1 hour)  
Feb 2 Researched Hexagonal Firing Patterns in Hippocampus (1.5 hours)  
Feb 5 Researched how restoring neural oscillations through stimulation might improve entorhinal-hippocampal communication (1 hour)  
Feb 16 Wrote up and finished alomost all of research on separate document. (2.5 hours)  
Feb 26 Make sure that there is a solution by backing up our research with cites ( 30 minutes)  
Feb 28 Wrote up parts of brain and what Alzheimers is (2 hours)  
Mar 1 Wrote up Magnetic Theory (2 hours)  
Mar 1 Finished Acknowledgements (5 minutes)  
Mar 2 Researched Place Cells and filled it onto platform  
Mar 2 Picked up Trifold and brought it home  
Mar 2 Added Data from sources and put onto platform (20 minutes)  
Mar 3 Edited and put the finishing touches on research  
Mar 3 Finished Conclusion  
Mar 3 Attached Logbook  
Mar 3 Finished Sources and put them into portal  
Mar 3 Handed in Project on online portal

