

# Science Fair Project Log Book

Blake Draper 9B

<b>Date:</b>	<b>Summary of what I worked on:</b>
Nov. 23rd, 2023	<ul style="list-style-type: none"><li>● Began to work on the background information.</li><li>● Finished making the question, making the title, and brainstorming information.</li><li>● <b>Title:</b> Fourth Way to Move: Theoretical Dimensions</li><li>● <b>Question:</b> What are the principles of movement in the 4th dimension?</li></ul>
Nov. 28th, 2023	<ul style="list-style-type: none"><li>● Finished background information.</li></ul>
Nov. 30th, 2023	<ul style="list-style-type: none"><li>● Finished hypothesis.</li><li>● Started getting resources to read and use for research.</li></ul>
Dec. 4th, 2023	<ul style="list-style-type: none"><li>● Read these sources after getting them:</li><li>● S1: (All read) <a href="https://www.cnet.com/science/features/the-general-relativity-rabbit-hole-unraveling-space-time-and-the-fourth-dimension/">https://www.cnet.com/science/features/the-general-relativity-rabbit-hole-unraveling-space-time-and-the-fourth-dimension/</a></li><li>● S2: (All read, watching video later) <a href="https://sites.pitt.edu/~jdnorton/teaching/HPS_0410/chapters/four_dimensions/index.html">https://sites.pitt.edu/~jdnorton/teaching/HPS_0410/chapters/four_dimensions/index.html</a></li></ul>
Dec. 6th, 2023	<ul style="list-style-type: none"><li>● Read more sources:</li><li>● S3: (All read, watching videos later) <a href="https://johncarlosbaez.wordpress.com/2013/06/04/symmetry-and-the-fourth-dimension-part-10/">https://johncarlosbaez.wordpress.com/2013/06/04/symmetry-and-the-fourth-dimension-part-10/</a></li><li>● S4: (Read until sign-up section) <a href="https://johncarlosbaez.wordpress.com/2013/06/04/symmetry-and-the-fourth-dimension-part-10/n">https://johncarlosbaez.wordpress.com/2013/06/04/symmetry-and-the-fourth-dimension-part-10/n</a></li><li>● S5: (Read all, but doing questions and further links later) <a href="https://brilliant.org/wiki/tesseract/">https://brilliant.org/wiki/tesseract/</a></li><li>● Did some planning towards what the specific organization of research paragraphs should be.</li><li>● Started “Definition of a Dimension”</li></ul>
Dec. 8th, 2023	<ul style="list-style-type: none"><li>● Finished working on “Definition of a Dimension”</li><li>● Started working on “Definition and Properties of Previous Dimensions”</li></ul>

Dec. 12th, 2023	<ul style="list-style-type: none"> <li>● Finished working on “Definition and Properties of Previous Dimensions”</li> <li>● Started working on “What it Means to Be In Three Dimensions”</li> </ul>
Dec. 18th, 2023	<ul style="list-style-type: none"> <li>● Finished working on “What it Means to Be In Three Dimensions”</li> <li>● Started working on “Principles and Mathematics of Three-Dimensional Movement”</li> </ul>
Dec. 19th, 2023	<ul style="list-style-type: none"> <li>● Continued working on “Principles and Mathematics of Three-Dimensional Movement”</li> </ul>
Dec. 20th, 2023	<ul style="list-style-type: none"> <li>● Finished working on “Principles and Mathematics of Three-Dimensional Movement”</li> <li>● Also read more resources</li> </ul>
Dec. 21st, 2023	<ul style="list-style-type: none"> <li>● Finished working on the fifth section of research</li> <li>● Started working on the sixth section of research</li> </ul>
Dec. 22nd, 2023	<ul style="list-style-type: none"> <li>● Finished working on the sixth section of research</li> <li>● Finished working on the seventh section of research</li> </ul>
Dec. 23rd, 2023	<ul style="list-style-type: none"> <li>● Finished working on eighth section of research</li> <li>● Started working on ninth section of research</li> <li>● Did more research relating to the eighth and ninth section of research</li> </ul>
Dec. 24th, 2023	<ul style="list-style-type: none"> <li>● Finished working on the ninth section of research</li> <li>● Finished working on the tenth section of research</li> <li>● Did some research relating to the tenth section of research (last video)</li> </ul>
Dec. 26th, 2023	<ul style="list-style-type: none"> <li>● Finished eleventh section of research</li> <li>● Started twelfth section of research</li> </ul>
Dec. 27th, 2023	<ul style="list-style-type: none"> <li>● Finished twelfth section of research</li> <li>● Finished thirteenth section of research</li> </ul>
Dec. 28th, 2023	<ul style="list-style-type: none"> <li>● Worked on citing sources</li> </ul>
Dec. 29th, 2023	<ul style="list-style-type: none"> <li>● Finished fourteenth section of research</li> <li>● Prepared questions and other information required for the “Ask an Expert Section”</li> <li>● The final site listed for what the fourth dimension looks like was read</li> </ul>
Dec. 30th, 2023	<ul style="list-style-type: none"> <li>● Got digital images to go with some of the text</li> </ul>

	<p>provided</p>
Dec. 31st, 2023	<ul style="list-style-type: none"> <li>● Did first and second edit of the information so far</li> </ul>
Jan. 1st, 2024	<ul style="list-style-type: none"> <li>● Completed analysis paragraph</li> </ul>
Jan. 2nd, 2024	<ul style="list-style-type: none"> <li>● Completed Why We Should Care/What's Next paragraphs</li> </ul>
Jan. 3rd, 2024	<ul style="list-style-type: none"> <li>● Edited for the third time</li> </ul>
Jan. 4th, 2024	<ul style="list-style-type: none"> <li>● Wrote the conclusion for the project</li> </ul>
Jan. 5th, 2024	<ul style="list-style-type: none"> <li>● Edited for the fourth time</li> </ul>
Jan 6th, 2024	<ul style="list-style-type: none"> <li>● Spaced out text for printing</li> <li>● Double-checked some of the mathematical equations</li> <li>● Sent email with questions to the more knowledgeable person named Sebastien Wagner</li> <li>● Planned the model ideas and concepts to be used in the project</li> <li>● Made paper square and 2d rings model</li> </ul>
Jan 7th, 2024	<ul style="list-style-type: none"> <li>● Continued communicating with Sebastien over G-Mail</li> <li>● Printed out current information</li> <li>● Cut out proper text and organized for school</li> </ul>
Jan 9th, 2024	<ul style="list-style-type: none"> <li>● Started painting trifold, specifically painted the whole border</li> <li>● Planned colour scheme of trifold</li> <li>● Made the dimensional cylinder and ball model</li> </ul>
Jan 11th, 2024	<ul style="list-style-type: none"> <li>● Watched video on format of trifolds and information placement</li> </ul>
Jan 13th, 2024	<ul style="list-style-type: none"> <li>● Made clay models and gathered interlocked rings</li> <li>● Got the sticky putty and placed it with items</li> <li>● Planned how to visualize cross-sections</li> </ul>
Jan 14th, 2024	<ul style="list-style-type: none"> <li>● Made cross-section visualization</li> <li>● Packed models to go to school</li> </ul>
Jan 15th, 2024	<ul style="list-style-type: none"> <li>● Painted part of the blue background</li> <li>● Brought models to school</li> </ul>
Jan 17th, 2024	<ul style="list-style-type: none"> <li>● Finished painting the blue background</li> </ul>

Jan 19th, 2024	<ul style="list-style-type: none"> <li>● Started attaching information using sticky tack</li> </ul>
Jan 20th, 2024	<ul style="list-style-type: none"> <li>● Finished attaching information using sticky tack</li> </ul>
Jan 21st, 2024	<ul style="list-style-type: none"> <li>● Made title for the tri-fold (A New Direction) out of cardboard</li> <li>● Attached the title using sticky tack</li> </ul>
Jan 23rd, 2024	<ul style="list-style-type: none"> <li>● Got black paper</li> <li>● Used black paper to start making borders on the text in the central part of the tri-fold</li> </ul>
Jan 25th, 2024	<ul style="list-style-type: none"> <li>● Continued making borders for the information to finish the middle quadrant of borders</li> </ul>
Jan 26th, 2024	<ul style="list-style-type: none"> <li>● Continued making borders for the information by finishing the leftmost quadrant</li> </ul>
Jan 27th, 2024	<ul style="list-style-type: none"> <li>● Finished making borders for the information by finishing the rightmost quadrant</li> <li>● Switched to brown paper for the concluding section</li> </ul>
Jan 28th, 2024	<ul style="list-style-type: none"> <li>● Added sharpie text onto the tri-fold front side</li> <li>● Finished the decorations</li> </ul>
Jan 29th, 2024	<ul style="list-style-type: none"> <li>● Practiced presenting the information about the project</li> </ul>
Jan 30th, 2024	<ul style="list-style-type: none"> <li>● Finalized presenting the dimensional ball and straw</li> <li>● Finalized the science fair log book</li> <li>● Did last minute preparations of notes</li> </ul>
Jan 31st, 2024	<ul style="list-style-type: none"> <li>● Science fair for students takes place in school</li> <li>● Extra practice during breaks for whole presentation take place</li> <li>● Practice answering questions and presenting simpler information</li> </ul>
Feb 1st, 2024	<ul style="list-style-type: none"> <li>● Science fair for judges takes place in school</li> </ul>
Feb 5th, 2024	<ul style="list-style-type: none"> <li>● Got into the CYSF platform</li> <li>● Made the section of "Basic Project Info"</li> <li>● Submitted the section of "Ethics Due Care"</li> <li>● Finished the section of "Declarations"</li> </ul>
Feb 8th, 2024	<ul style="list-style-type: none"> <li>● Added all of the text needed for the "Research" section</li> </ul>

Feb 10th, 2024	<ul style="list-style-type: none"> <li>• Finished adding the base for the sections of: “Data”, “Conclusion”, and “Sources”</li> </ul>
Feb 11th, 2024	<ul style="list-style-type: none"> <li>• Finished adding the base for the sections of: “Problem” and “Method”</li> <li>• Added the images of the wide banner and small almost square project image to the “Presentation” section</li> </ul>
Feb 13th, 2024	<ul style="list-style-type: none"> <li>• Added the “Acknowledgements” section</li> </ul>
Feb 15th, 2024	<ul style="list-style-type: none"> <li>• Changed the “Background Information” section according to the judge feedback from the SJA science fair</li> </ul>
Feb 16th, 2024	<ul style="list-style-type: none"> <li>• Changed the “Why Care” section according to the judge feedback from the SJA science fair</li> </ul>
Feb 18th, 2024	<ul style="list-style-type: none"> <li>• Brainstormed what to talk about during meeting with the more knowledgeable person: Sebastien Wagner</li> </ul>
Feb 19th, 2024	<ul style="list-style-type: none"> <li>• Bolded important words within the research section of the project</li> </ul>
Feb 20th, 2024	<ul style="list-style-type: none"> <li>• Edited the parts of the website with equations that needed fixing due to the new writing platform</li> </ul>
Feb 22nd, 2024	<ul style="list-style-type: none"> <li>• Got into the loom platform to make the CYSF video</li> </ul>
Feb 24th, 2024	<ul style="list-style-type: none"> <li>• Brainstormed how to make the video for the CYSF platform</li> </ul>
Feb 25th, 2024	<ul style="list-style-type: none"> <li>• Got deeper into the requirements and specific references of the video</li> </ul>
Feb 27th, 2024	<ul style="list-style-type: none"> <li>• Made the images transfer into the CYSF platform along with short titles for each one</li> </ul>
Mar 1st, 2024	<ul style="list-style-type: none"> <li>• Did a test recording of the video for the CYSF platform</li> </ul>
Mar 2nd, 2024	<ul style="list-style-type: none"> <li>• Made the actual recording of the video for the CYSF platform</li> <li>• Went on a meeting with Sebastien Wagner, the more knowledgeable person I contacted</li> </ul>
Mar 3rd, 2024	<ul style="list-style-type: none"> <li>• Edited the video</li> <li>• Provided a contestant photo</li> </ul>

<b>Mar 7th, 2024</b>	<ul style="list-style-type: none"><li>• <b>Downloaded video and decided what platform to upload it on</b></li></ul>
<b>Mar 8th, 2024</b>	<ul style="list-style-type: none"><li>• <b>Uploaded video and log book onto the CYSF website</b></li></ul>