

**Date:** 10 /28/2024 to 11/3/2024

**Project Title:** Interactive Sensory Wall: Enhancing Tactile Learning

**Team Name:** PERLANS

**Client:** Debbie Craig

**Instructor:** Caitlin Randell

<b>Team Members (full names with team role)</b>	<b>Email</b>
Emily Schell <b>Communicator</b>	ehschell@wisc.edu
Nate Gonda <b>CAD Designer</b>	ngonda@wisc.edu
Sam Zakaib <b>Tester</b>	szakaib@wisc.edu
Audrey Zeller <b>Facilitator</b>	aazeller@wisc.edu
Payton Corr <b>Accountant</b>	pcorr@wisc.edu
Lilly Drephal <b>Procurement Manager</b>	ldrephal@wisc.edu
Renee DeFeyter <b>Editor</b>	defeyter@wisc.edu

**Problem Statement:**

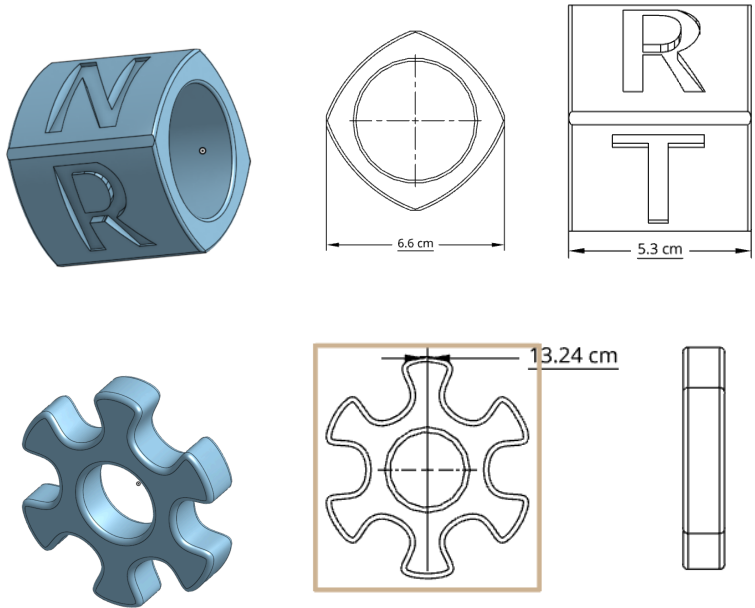
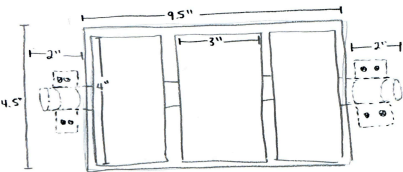
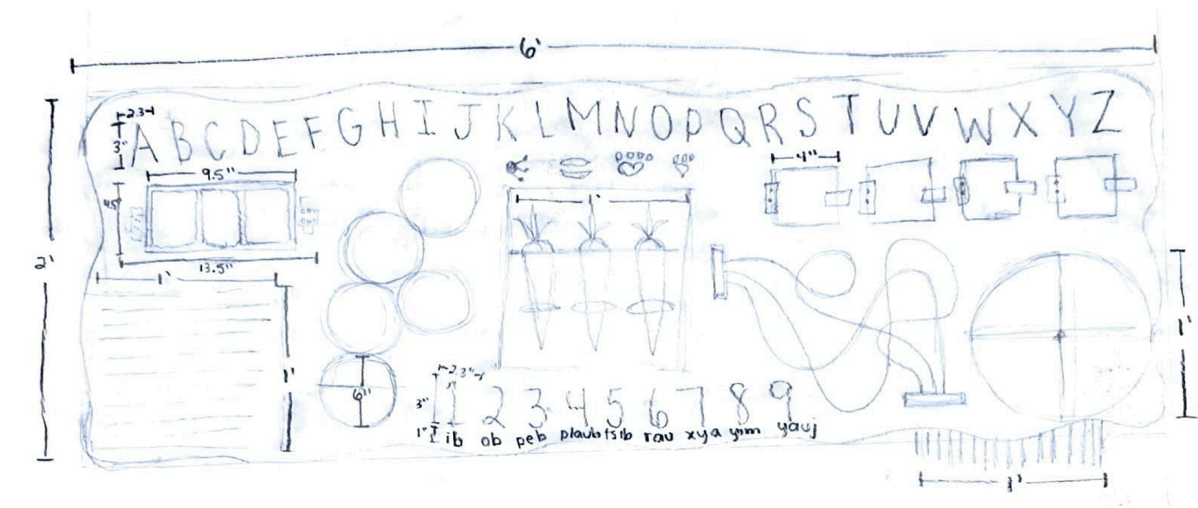
Students at Lakeview Elementary School, especially students with individual learning plans, autism, or cerebral palsy struggle to have optimum sensory engagement in their environment.

**Brief Status Update: (describe concisely what the team accomplished - this is the most important part of the progress report)**

We have created a drawing of our final wall design and made it to scale. We also have finalized our materials list and ordered them.

**Difficulties/Advice Requests: (request advice from your client/mentor/instructor/SA and state any other difficulties too - only use if needed)**

Current Design:



## Sensory Wall Team 2

### Materials List

Item Name	Vendor with hyperlink, if applicable	Cost (\$)	Item Details	Status
Back of Wall	Menards <a href="#">1/2 x 4' x 8' White PVC Panel at Menards®</a>	99.98	PVC 4'x8'x1/2"	
Wood to hold wall up	<a href="#">2 x 4 x 10' Construction/Framing Lumber at Menards®</a>	4.42		
Multicolored Beads	Amazon <a href="#">Colored Bead</a>	5.10		
Locks (4)	Grainger <a href="#">Locks</a>	6.00	For Bug Doors	
Hinges (4)	<a href="#">National Hardware® 1-1/2" x 1-3/8" Zinc Door Hinge - 2 Pack at Menards®</a>	1.98	For Bug Doors\  Link is a two pack, order 2 (4 total hinges)	
Paint	Amazon <a href="#">Amazon.com: DecoArt ACRYLIC PATIO PAINT FAN FAVORITES SAMPLER SET, Assortment, 2 Fl Oz (Pack of 18)</a>	29.99		
Wind Chimes	Amazon <a href="#">Chimes</a>	28.99	Maybe buy	
Gears			3-D printed	
Word Maker			3-D printed	
Variety pack screws	<a href="#">variety pack screws</a>	6.99		
Wooden Beads Buy a 200 pack	Amazon <a href="#">beads</a>	6.28		

Metal Dowels (10) <u>Buy 2 of them</u>	Amazon <a href="#">Metal Dowels</a>	18.78	For bead rows	
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**Total Cost to Date:** TBD as many designs will be printed and cost will be determined later

### Team Goals (Current week):

- 1) Begin the Final Report
- 2) Plan out 3-D printing and laser cutting for the next week
- 3) Ask Team Lab all of our questions

**Timeline:** [Gantt Timeline](#)

### Previous Week's Individual Goals:

- Renee DeFeyter
  - Finish Fabrication Plan.
  - Create a schedule of when things should be completed.
- Sam Zakaib
  - Get all the materials ordered
  - Figure out which materials will be made by 3d printing and which will be made by laser cutting.
- Nate Gonda
  - make cad models for the wall items we can 3D print
  - provide dimensions for cad designs
- Payton Corr
  - Research materials and add them to material list
- Emily Schell
  - Continue to add details to our design including dimensions, parts, and design
  - Finalize materials list with prices, quantity, and use

Audrey Zeller

- Make sure materials are ordered and delivered
- Lilly Drephal
  - Research Materials and Share with instructors

- Design/brainstorm part size and attachment

### **Current Week's Individual Goals:**

- Audrey Zeller
  - Complete fabrication plans with feedback from TAs
  - Finish ordering materials
- Emily Schell
  - Complete Fabrication Plan
  - Start final report
- Payton Corr
  - Fill out the Progress Report
  - Take notes during meeting with Team Lab
- Sam Zakaib
  - Complete testing plans
  - Engage in meeting with team lab
- Nate Gonda
  - Finish Cad Models
  - Meet in team lab
- Lilly Drephal
  - Work on Final Report Draft
  - Meet with Team Lab
- Renee DeFeyter
  - Work on Progress report and final report draft
  - Met in team lab

### **Individual Accomplishments:**

- Audrey Zeller
  - Order materials
- Emily Schell
  - Make sketches
  - Update Fabrication Plans
- Payton Corr

- Helped to finalize material list
- Sam Zakaib
  - Completed testing plans
- Nate Gonda
  - Finished Cad models
- Lilly Drephal
  - Worked on Final Report Draft
- Renee DeFeyter
  - Worked on our final report draft

**Activities:**

<b>Team Member</b>	<b>Date</b>	<b>Activity</b>	<b>Time (h)</b>	<b>Weekly Total (h)</b>	<b>Semester Total (h)</b>
Audrey Zeller	10/31/24	Worked on Final Fabrication plans	2	2	8
Emily Schell	10/31/24	Made sketches, updated fabrication plan	2	2	8
Payton Corr	10/31/24	Complete progress report #2  Draw items to put on the board	2	2	8
Sam Zakaib	10/31/24	Completed Testing Plans	2	2	8

		Worked on final report draft			
Nayte Gonda	10/31/24	Worked on CAD models	2	2	8
Lilly Drephal	10/31/24	Worked on Final Report Draft	2	2	8
Renee DeFeyter	10/31/24	Worked on Final Report Draft	2	2	8

**Progress Report Management:**

- 10/17/2024 - Renee DeFeyter
- 10/24/2024 - Sam Zakaib
- 10/31/2024 - Emily Schell
- 11/7/2024- Audrey Zeller
- 11/14/2024- Payton Corr