

Title: Reusable 3D pelvic floor teaching model for layered construction activities (Super-Models) 200/300

Date: 9/4/2026 - 9/10/2026

Client: Kelsey Henriquez

Advisor: Prof. David Dean

Team:

Katherine Ahlquist (kahlquist@wisc.edu) - Co-Team Leader

Sara Mlodik (mlodik@wisc.edu) - Co-Team Leader

Mina Hawkins (mjhawkins@wisc.edu) - Communicator

Abigayle Chapman (akchapman2@wisc.edu) - BWIG

Hiba Shah (hashah2@wisc.edu) - BPAG

Karen Pisano (kpisano@wisc.edu) - BSAC

Problem statement

PA students currently participate in an active-learning pelvic floor anatomy workshop in which they use colored Play-Doh to construct pelvic floor musculature and associated structures on a 2D paper template of the bony pelvis. Although this activity is effective, the 2D template does not accurately represent the 3D structure and spatial relationships of the pelvis. Therefore, a 3D model would allow students to visualize how the pelvic floor muscles and structures are positioned within the body. The solution is to design and prototype a reusable and anatomically accurate 3D bony pelvis model. The model will allow students to apply layers of colored Play-Doh directly onto the pelvis to recreate the pelvic floor musculature. The model should be durable, reusable, and easy to clean and handle for use in the PA school's educational setting.

Brief status update

The team is doing preliminary research to understand more about the project. This includes research on pelvic floor anatomy, current 3D pelvic floor model designs, and 3D model materials. The first client meeting is scheduled. This meeting will allow the team to have more information about the product specifications and further research will need to be conducted.

Difficulties / advice requests

N/A

Current design

N/A

Materials and expenses

Item	Description	Manufacturer	Mft Pt#	Vendor	Vendor Cat#	Date	#	Cost Each	Total	Link
Category 1										
									\$0.00	
									\$0.00	
Category 2										
									\$0.00	
									\$0.00	
								TOTAL:	\$0.00	

Major team goals for the next week

1. Discuss what was found during individual research as a team
2. Compile our individual lists of questions for the client into one list to ask during the first client meeting
3. Use information from the first client meeting to begin working on PDS

Next week's individual goals

- Katherine
 - Research basic pelvic anatomy and diagrams that can be used for inspiration for the model.
 - Research current products that are on the market that are used as study tools for current PA's and Med students.
 - Start an ongoing document with ideas and questions that are meant to review with the client.
- Sara
 - Research pelvic floor anatomy, both the musculature and the bones, as well any structures mentioned during the first client meeting
 - Research current pelvic floor models used in educational settings, specifically for medical degrees
 - Continue adding questions to ask the client during client meetings as I continue researching anatomy and current pelvic floor models
- Mina
 - Research pelvic floor anatomy and modeling materials.
 - Research current devices or models PA and Med students currently use.
 - Communicate with the client to set up an in-person meeting within the next week and begin to understand the clients needs and expectations.
- Abigail
 - Continue research on pelvic floor anatomy and begin to explore models currently in use.
 - Attend the full-team client meeting, discuss project questions/clarifications, and develop a greater understanding of the parameters and purpose of the project.
- Hiba
 - Continue researching pelvic floor models and anatomy.
 - Discuss research with the team to come up with next steps.
 - Ask client questions related to the project..
- Karen
 - Continue researching pelvic floor anatomy and current teaching models.
 - Attend our full-team client meeting, gather more detailed information on the project, and develop questions for further research on our project.

- Meet with the team to discuss our personal research so as to identify any gaps in our own research and broaden our understanding of the pelvic floor.

Timeline

Task	Sept			Oct					Nov				Dec	
	11	18	25	2	9	16	23	30	6	13	20	27	4	13
Project R&D														
Empathize	x													
Background...	x													
Prototyping														
Testings														
Deliverables														
Progress Reports	x													
PDS														
Design Matrix														
Prelim Presentation														
Prelim Deliverables														
Show and Tell														
Final Poster														
Final Deliverables														
Meetings														
Client	sched uled													
Advisor	x													
Website														
Update	x													

Filled boxes = projected timeline

X = task was worked on or completed

Previous week's goals and accomplishments

N/A

Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Katherine	9/9/2026	Researched products that are currently on the market	.5hr	1hr	1 hr
	9/9/2026	Researched the pelvis, including gaining a basic understanding of the different types and muscles involved	1 hr		

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sara	9/7/26	Created the team problem statement and status update	0.25 hr	2.25 hr	2.25 hr
	9/9/2026	Created a list of questions to ask the client during the first meeting	0.5 hr		
	9/9/2026	Researched pelvic floor bone and muscle anatomy, including their classifications	1 hr		
	9/9/2026	Began research on pelvic floor 3D models, specifically made for teaching	0.5 hr		

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Abigayle	9/5/2026	Brainstormed research questions to present to client	0.5 hr	2 hr	2 hr
	9/5/2026	Researched pelvic floor anatomy, including tissue/musculature and bone structure	1.5 hr		

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Mina	9/7/2026	Reached out to client and team members to organize an initial meeting day/time.	0.25 hr	2.25 hr	2.25 hr
	9/9/2026	Researched pelvic floor anatomy, both muscular and skeletal, and developed questions to present to client.	2 hr		

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Hiba	9/9/2026	Researched pelvic floor anatomy and current designs in market	1	1.5	1.5
	9/10/2026	Prepared questions for client meeting	.5		

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Karen	9/7/26	Researched pelvic floor anatomy, focusing on muscle groups and general function	1	1	1
	9/9/26	Brainstormed research questions for client-team meeting	.5	1.5	1.5