

Monarch Tutoring Center Improvement

Daniel Carney, Banks Engle, Jorge Sanchez, Jaden Tuttle
Advisor: Dr. Denise H. Bauer

Problem Statement:

Insufficient space and resources present in the room for large groups of students.

Survey Results:

Students Interviewed: 15
Total for room expansion: 13



Suggestions made by Interviewed Students/Staff:

- Refreshments from inside the building.
- Electronic equipment for visual learning.
- Additional tutor for assisting more students.
- Easier access such as online teaching.



Initial Solutions:

1. Expanding the room.
2. Create four separate rooms for multiple subjects and students.
3. Add computers and a projector for each room.
4. Add a refrigerator of water.
5. Add a vending machine for snacks while taking breaks.

Constraints:

- Funding for building and educational materials.
- Reconstructing walls.
- Time needed for the rebuilding process.
- Number of resources should be limited to leave space for students and staff.
- Other rooms may be present around the tutoring center.

Design:

Reconstruct the back and side of the room to expand into an area of 8 meters by 9 meters.

Final Design:

Four equally sectioned rooms with an area of 4 meters by 4.5 meters, connected by doorways.