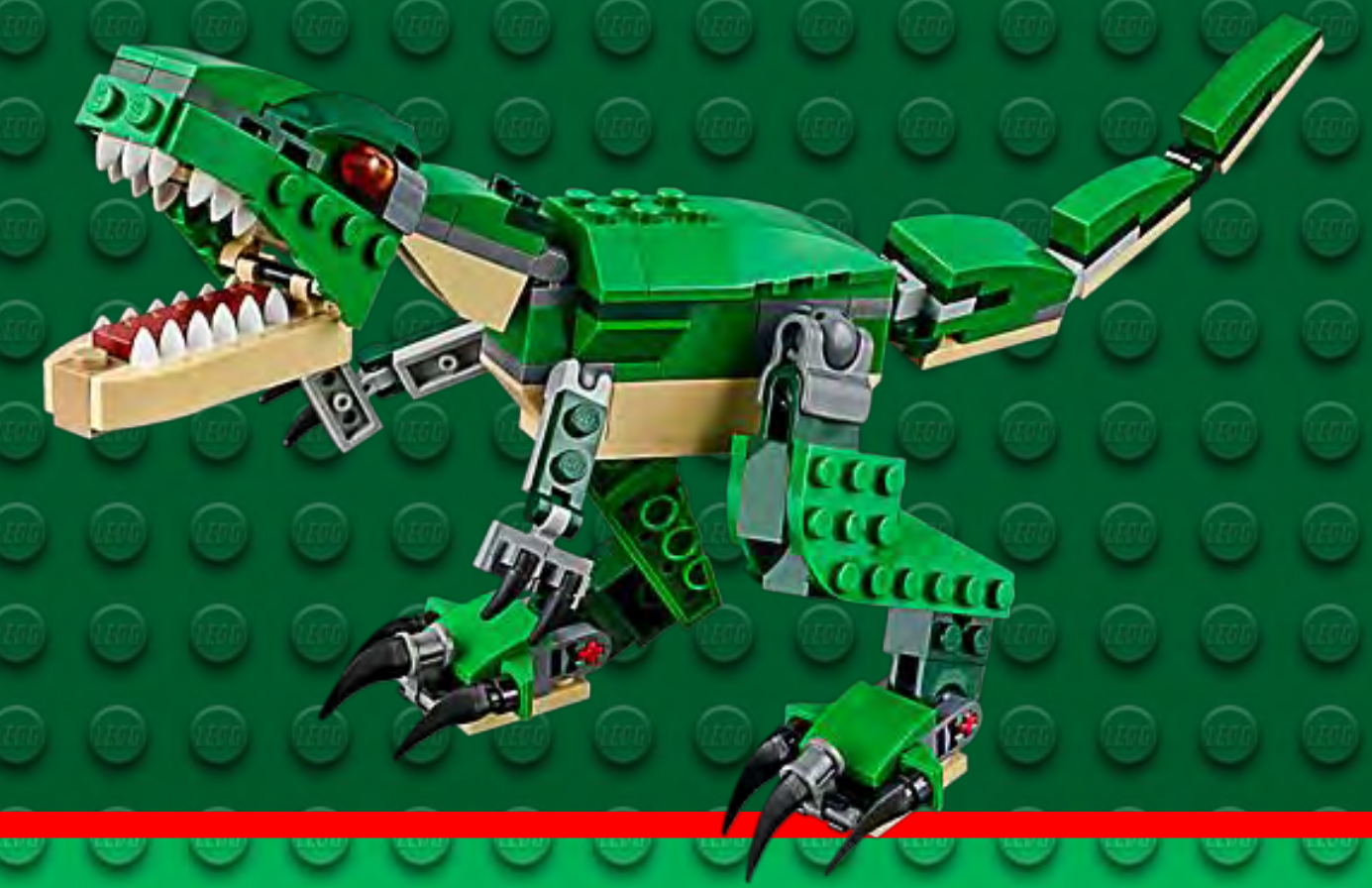




Dolls, Dinosaurs, and Design



www.reserve.louie.land

Objective: This project required the research of anthropometrics to design a dream bedroom for a six-year-old from the SFA Charter School. To utilize anthropometrics—the study of the dimensions of the human body—I measured the child’s key dimensions and created a fun, functional, and safe space... just his size! The steps I followed in the design process are outlined below.



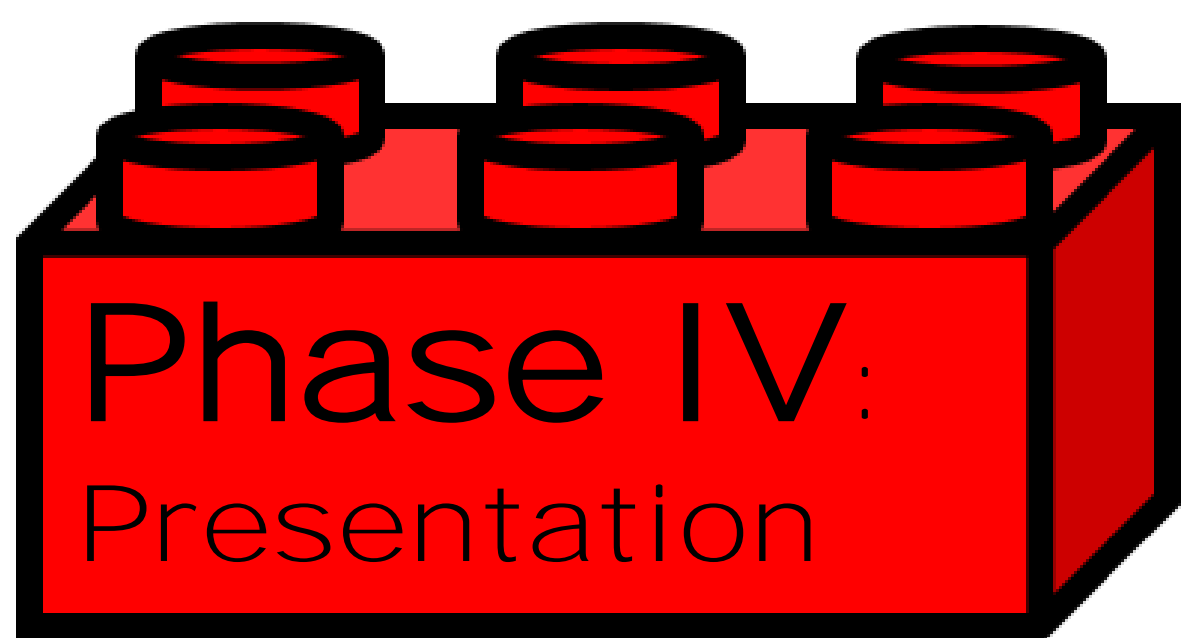
The goal of this project was to design a safe bedroom for a six-year-old boy according to his wishes and body dimensions. The design should be functional, have an element of magic, include a hideaway, and be convertible for use as the client grows older.



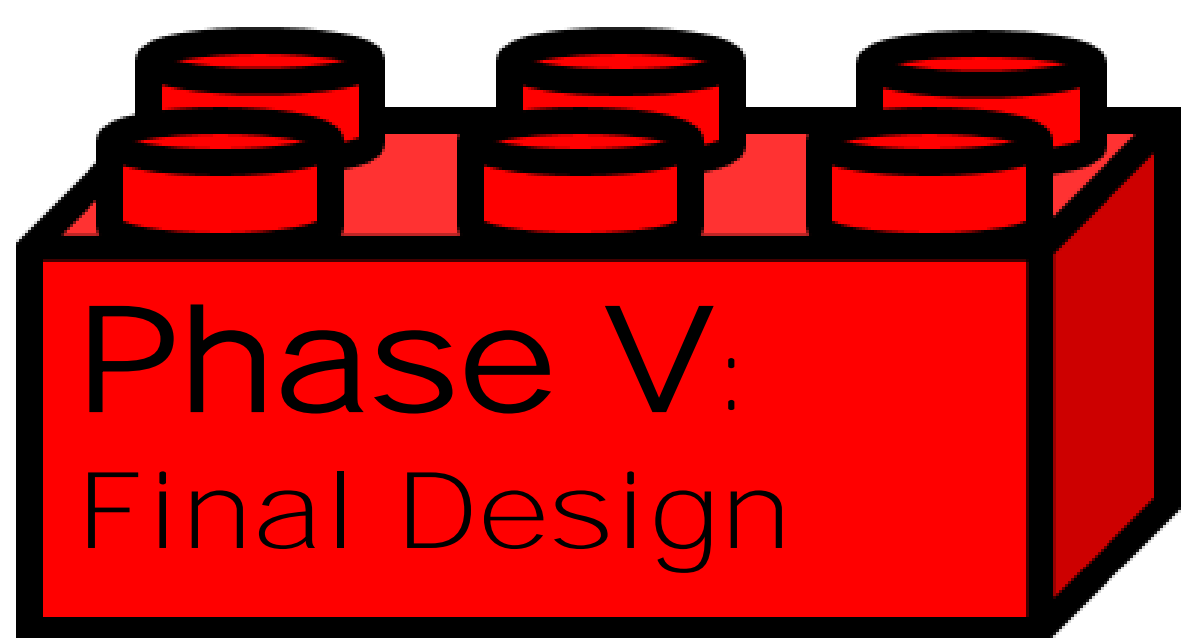
I sat down with my client and gathered information about his favorite toys, hobbies, and favorite things to do in his room. To learn his favorite color, I used the color card selection method that has been heavily researched. I also recorded several of his body dimensions so that I could find furniture that would be comfortable and appropriate based on his size and my research on anthropometrics.



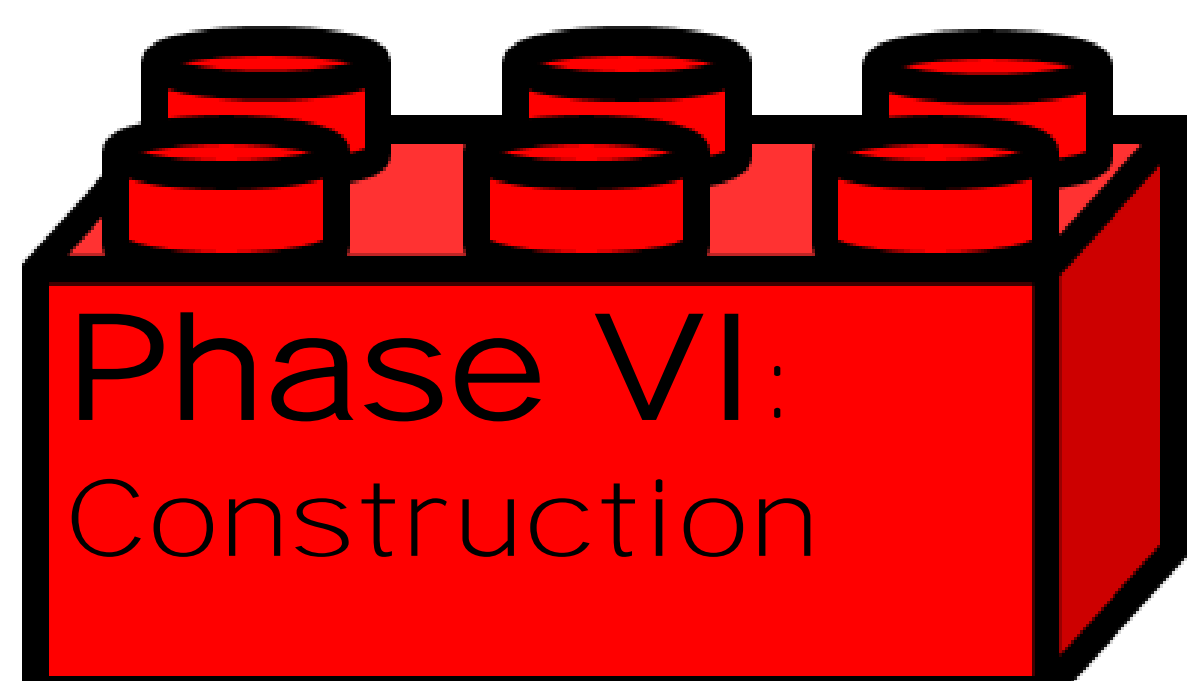
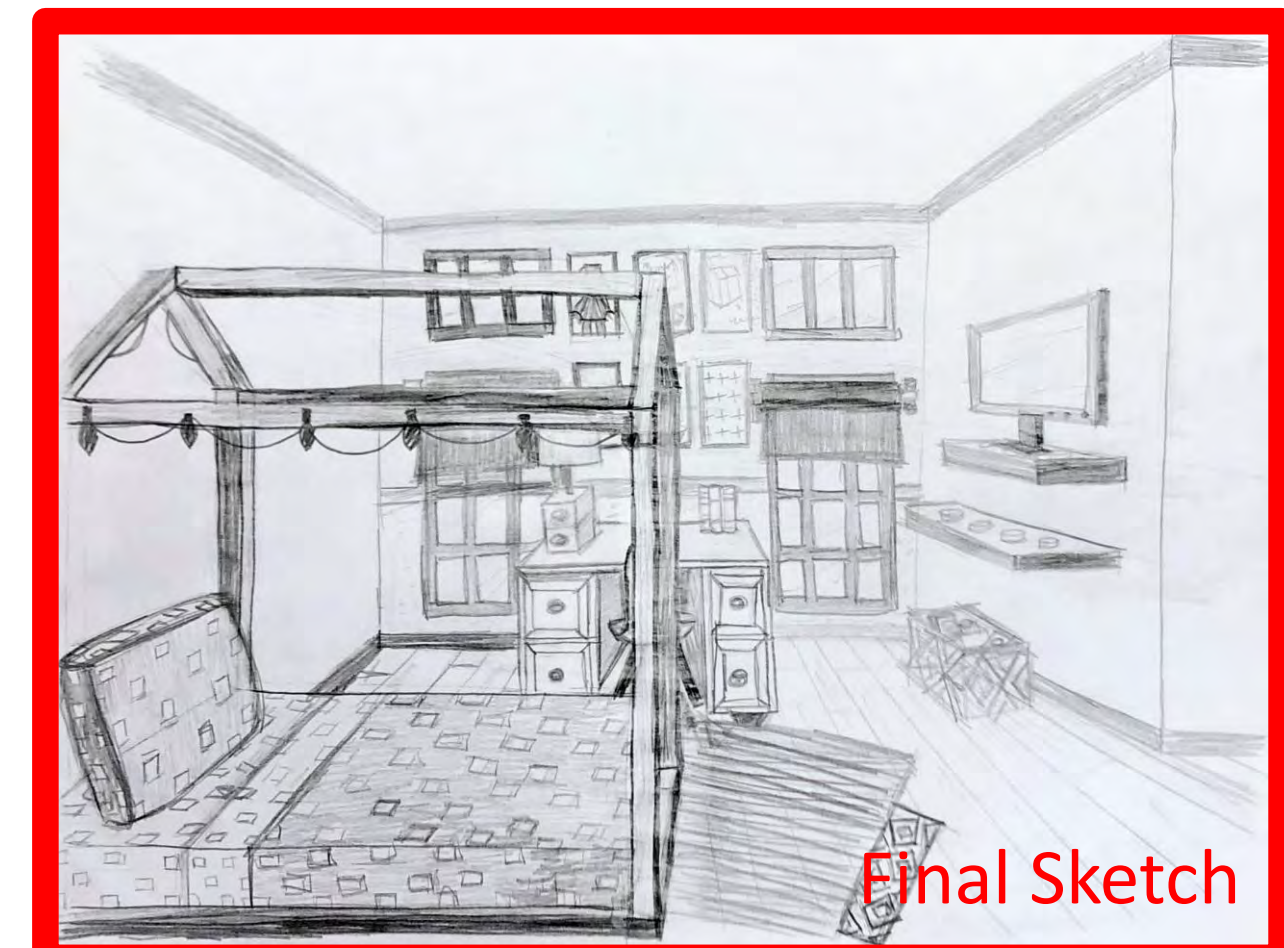
During this phase, I developed the initial concept through schematics such as sketches and renderings. I also created a study model to help my client envision my ideas. A model seemed to be the best means of communication with a child of this age.



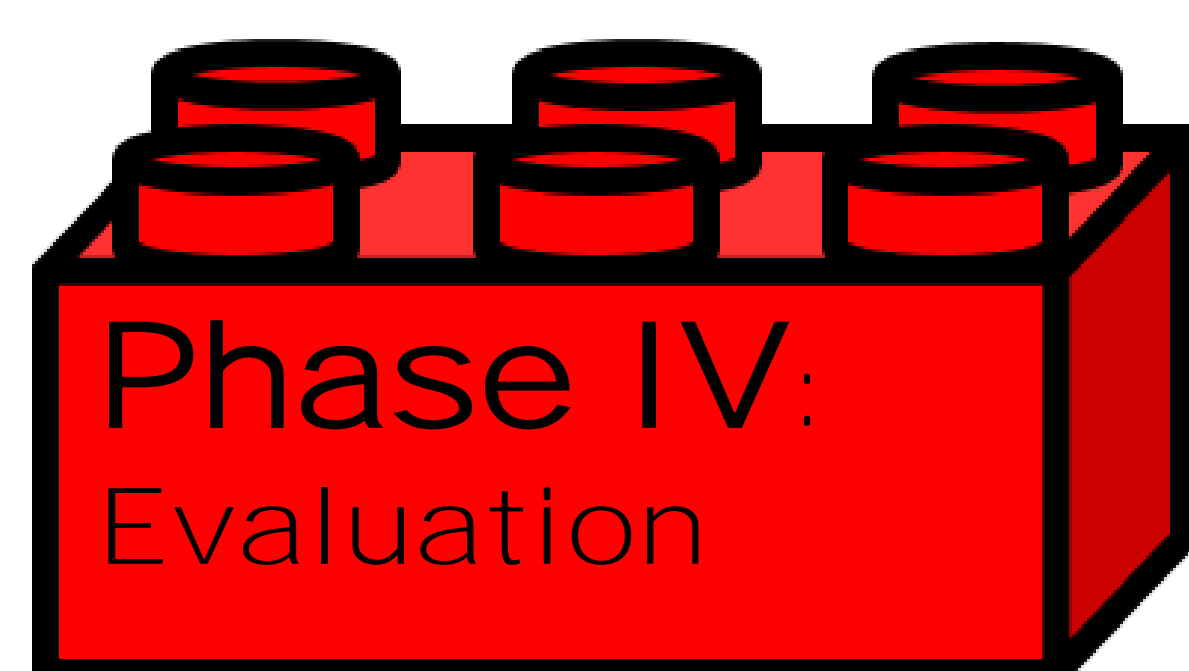
When I presented the study model to my client, he was able to move furniture around the room and voice opinions on things that he liked about the design and things he would improve. I was able to gain feedback on my sketches as well. He asked for a tv and larger desk.



After receiving feedback from the child on my study model layout and colors, I continued to rethink and improve my final design. I read more research and developed more sketches. I also adapted my study model to include a larger desk and a tv which the child requested.



Once my design was complete, I finished the construction phase by adding furniture and finishes to the model including yellow wallpaper, yellow curtains, play area rug, multiple Lego shelves, and a life-size Lego fort with a hiding place.



My client was ecstatic at the final presentation. Finally, he could see our vision for his dream bedroom come to life. I was pleased to hear him say that everything turned out exactly as he had hoped. He was most excited about the green Lego wall and its possibilities for play.

Lauren Hutto

Sponsor: Dr. Mitzi Perritt

Undergraduate Research Conference 2019

www.reserve.louie.land