

Completion of the Sensory Room
Weekly Report 04/23/18 to 04/27/18

For the past several months, I have worked tirelessly to create the physical model of my Sensory Room. Last weekend, with the completion of the functional spinning chair, I finally finished this fundamental portion of my final product.

I created the chair from a plastic dome which I painted pastel-pink and glued to a 1.25" diameter and approximately 4" tall pipe. I placed this pipe inside a 1.5" diameter pipe so that it would rotate freely and on a sturdy axis. In order to allow it to rotate, I placed several marbles inside the larger pipe so that when the smaller pipe sits within it, it is able to spin with minimal friction.

When I changed my plan from creating a full-sized model to creating a mini-model, I presumed that far fewer physics principles would actually be applicable, but the construction of this component revealed to me that physics principles are still equally applicable, the forces will just not be as great. In order to minimize the friction preventing the chair from rotating freely, I made sure to make the interior of the structure as smooth as possible and use as few marbles as possible so that the marbles would not have significant friction upon each other.

Going forward with this project, I plan to begin the creation of the informational brochure about my Sensory Room and schedule a day to present it in Frisco Commons. I also will need to begin brainstorming the mini-presentation I will recite to the parents who view my structure, making sure to emphasize the techniques they can implement into their own parenting styles in order to benefit and refine the sensory awareness and motor skills of their children. I look forward to the opportunity to showcase my accomplishments with this product to the families in my community in addition to my peers at Reedy.