



Advancing Pediatric Occupational Therapy Practice: The Development of a Sensory Environment and Behavioral Management Plan

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OVERVIEW OF CAPSTONE SITE

- Elite Performance and Rehab - Pediatrics
- Located in Vicksburg, MS.
- The only pediatric outpatient clinic in Vicksburg, MS.
- Services Provided: Physical Therapy, Speech Therapy, and Occupational Therapy.
- Grand Opening: January 2020

LITERATURE SUMMARY

- Children with ASD often have sensory processing difficulties that ultimately affect their engagement in everyday activities (Knox, 2015).
- These sensory processing difficulties directly influence children’s opportunities to practice and develop skills like social participation and adaptive behavior in response to their environment (Tomchek, 2015).
- The combination of behavioral and sensory interventions yielded positive results in children with ASD (Lydon, Healy, & Grey, 2017).

NEEDS ASSESSMENT

- Phase I: informal process via telephone consisting of semi structured qualitative interview.
- Phase II: informal process via in person interview consisting of semi structured qualitative questions in list format.

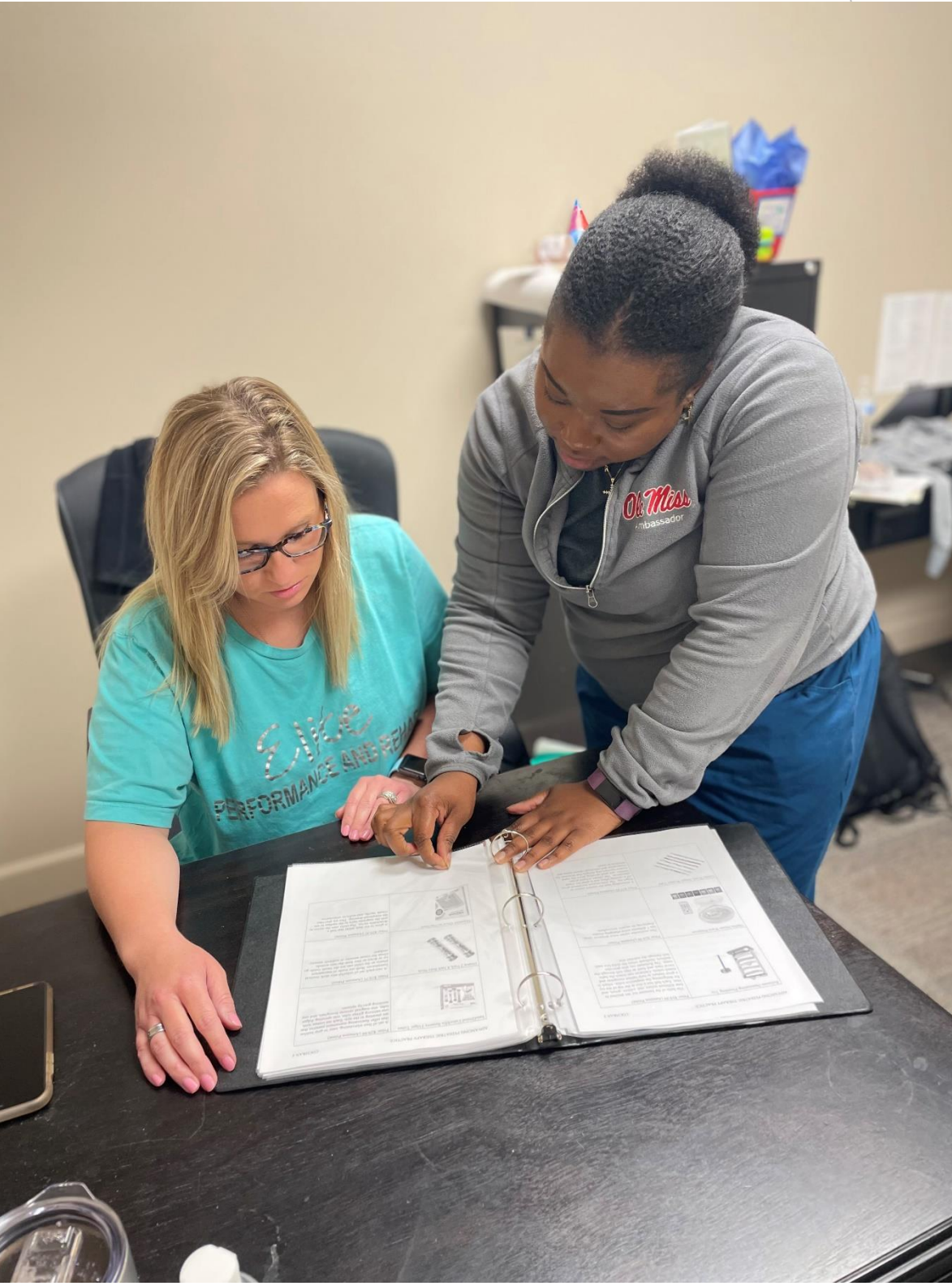
PROJECT GOALS / OBJECTIVES

- Goal 1:** The capstone student will demonstrate knowledge and application of the Jean Ayres Sensory Integration theory to guide the capstone project by week 2
- Goal 2:** The capstone student (with the help of the capstone mentor) will determine what items are needed for the sensory room by the end of week 3
- Goal 3:** The capstone student will compile a detailed list of items for the sensory room that outlines the utilization of each tool by week 7.
- Goal 4:** The capstone student will disseminate program plan and capstone project to key stakeholders both at the site and to faculty/staff at the end of the capstone experience
- Goal 5:** The capstone student will demonstrate program plan satisfaction by usage of evaluation tool by week 14.

PROJECT DEVELOPMENT and/or IMPLEMENTATION

The purpose of the doctoral capstone was improving Elite Performance and Rehab’s pediatric practice by developing a plan for a sensory environment and behavioral management strategies for future implementation. The plan consisted of five sections including: visual and auditory sensory items, oral motor and olfactory sensory items, tactile sensory items, proprioceptive and vestibular sensory items, and behavioral management strategies. Therapists and other team members at Elite Performance and Rehab were presented with a portfolio of the sensory environment plan and educated on how to manage different behaviors by utilizing Child Adult Relationship Enhancement (CARE) training. The Capstone Mentor and other key stakeholders expressed satisfaction with the project plan by offering oral and verbal feedback.

Project Dissemination Day:



Here the project is review by Catelyn Skipper, MOTR/L, clinic director of Elite Performance and Rehab - Pediatrics.

PLAN FOR PROJECT EVALUATION

Observation



Satisfaction Survey

Capstone Project Evaluation		
Sensory Environment Questions:		
1. On a scale of 1-5, with 1 being least satisfied and 5 being most satisfied, how satisfied are you with the items in the sensory environment plan?	3. Most Satisfied	
2. Are there any items that you would have liked to have seen in the plan that were not included?	No, I am satisfied with the items in the plan.	
3. Are the items in the plan applicable to your site?	Yes, they are very applicable.	
4. There are 40 items total in the sensory environment plan. Are there enough items in the plan? Is there a certain number of items you would have liked to see in the plan?	Yes, there are enough items and we did not have a certain number of items in mind.	
5. Are the prices of the items reasonable?	Mostly yes, the prices are very reasonable. There are two items that I know we would not purchase due to the price, however, I am open to items in the future that we could purchase instead of those items. You provided a lot of options.	
6. Considering the budget allotted for the future implementation of the sensory environment plan, are the items included in the plan feasible?	Yes, they are very feasible.	
7. The only sensory item we were able to implement during my Capstone Experience was the Rocky Flyer wagon. Was the wagon useful in treatment sessions?	Yes, very useful. The wagon was used mostly with children with ASD.	
8. What weaknesses were observed with the region and other recommended items?	I would have liked to have had more functional purposeful activities to include with wagon usage. For example, how we used	

PROJECT SUMMARY AND FUTURE RECOMMENDATIONS

This capstone project aimed to assist Elite Performance and Rehab - Pediatrics in exploration of sensory products and space design for a sensory clinic. It also provided training behavior management techniques using the Child Adult Relationship Enhancement principles. Future research could include assessment the efficacy of the usage of the CARE’s principles.