

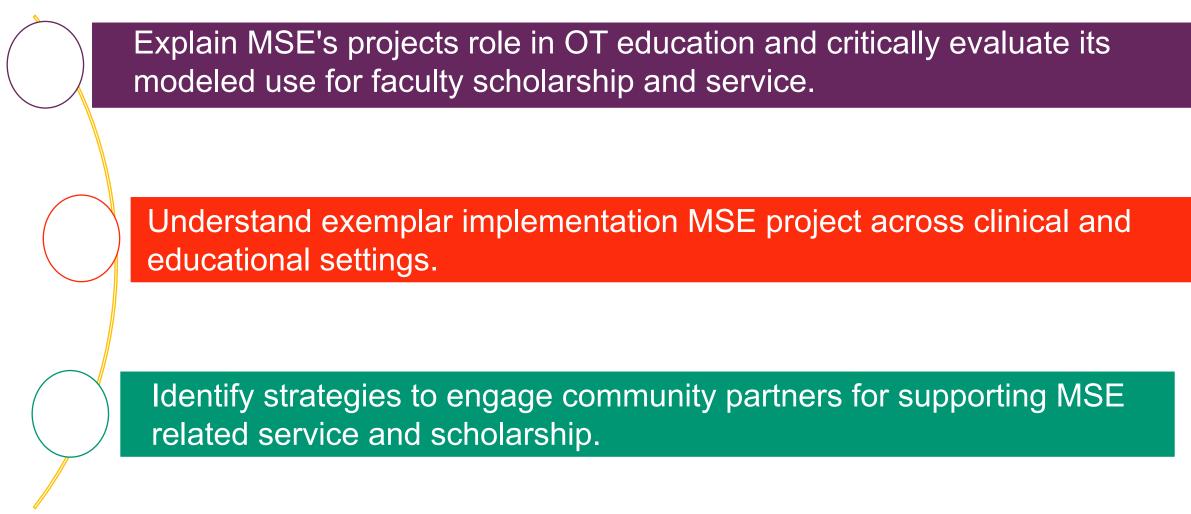
#### 2024 Education Summit

#### Empowering Occupational Therapy: Integrating Multi-Sensory Environments and Community Partnerships

Nicole Halliwell DSc., OTR/L John Patro Jr., OTD, OTR/L Monmouth University



# **Session Learning Objectives**





## Multi-Sensory Environment (MSE): Overview

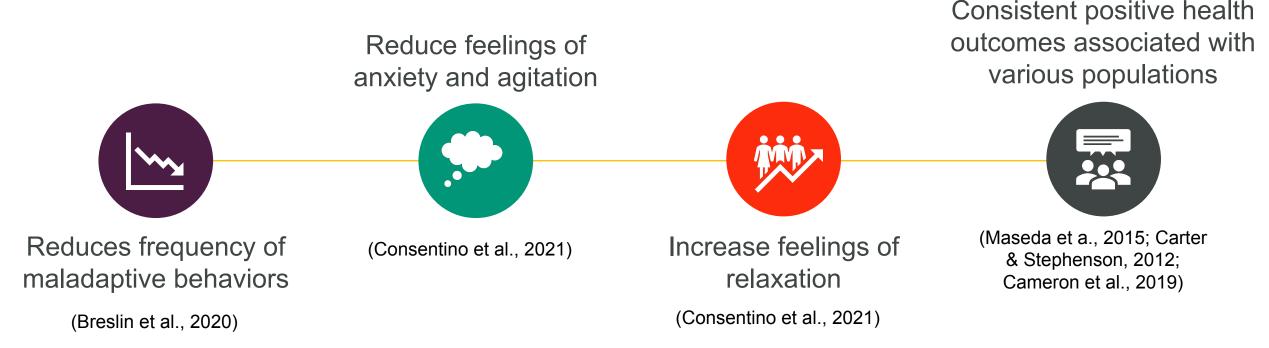
A space intentionally designed for *immersive* and *individualized* sensory experiences that can be used to support sensory exploration, development, and relaxation

(Cameron et al., 2020; Haegele & Porretta, 2014)





# Existing Evidence Supporting MSE in Community Health





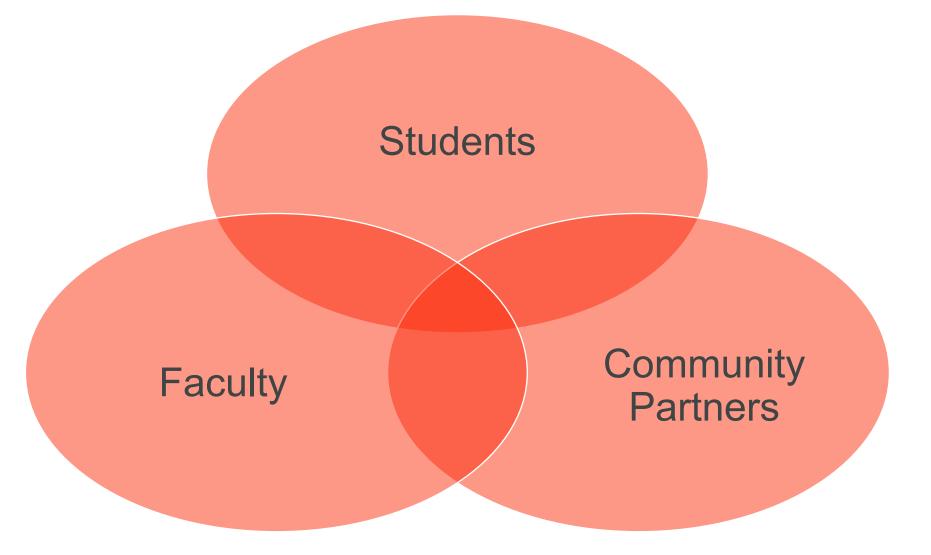


#### Monmouth University OTD MSE Lab Space

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## **Centralized Service Learning Model (CSLM)**





#### **MSE Community Wellness Project as CSLM**

Strategic approach to higher education that enhances student, faculty, and community collaboration

Non-traditional service learning incorporated into concurrent coursework

Intentional curriculum design to connect coursework, faculty research, and community health





Faculty

Course content application

Professional development

Scholarship opportunities

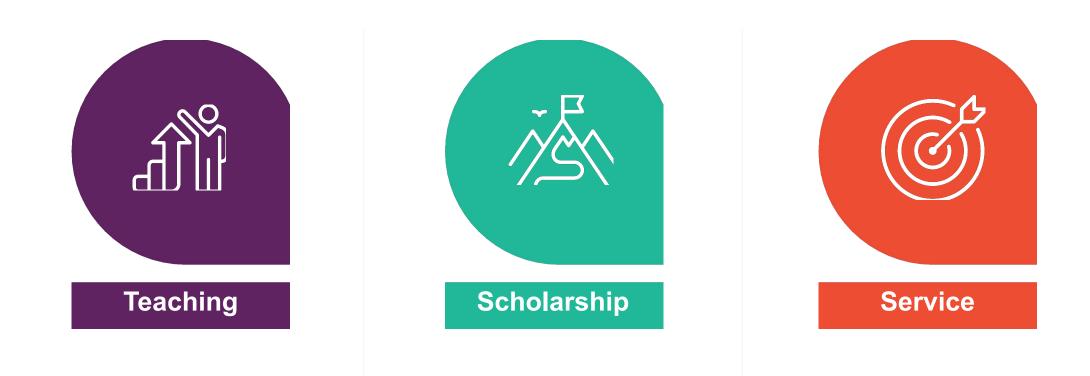
Community Partners

Access to health services

Promoting community health outcomes

> Professional development/ training





# **Tripartite Faculty Role**



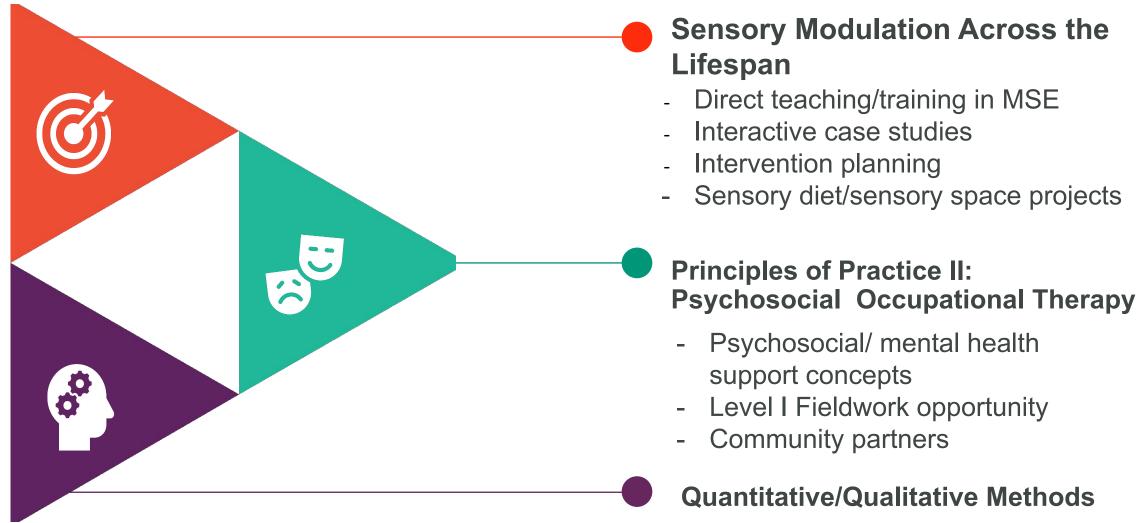
## **Project Development & Implementation**

Establishment of community partners Identification of grant funding and university resources

Development of evaluation methods



#### **Teaching of Related Course Content**



- Designing/conducting research studies
- Data analysis

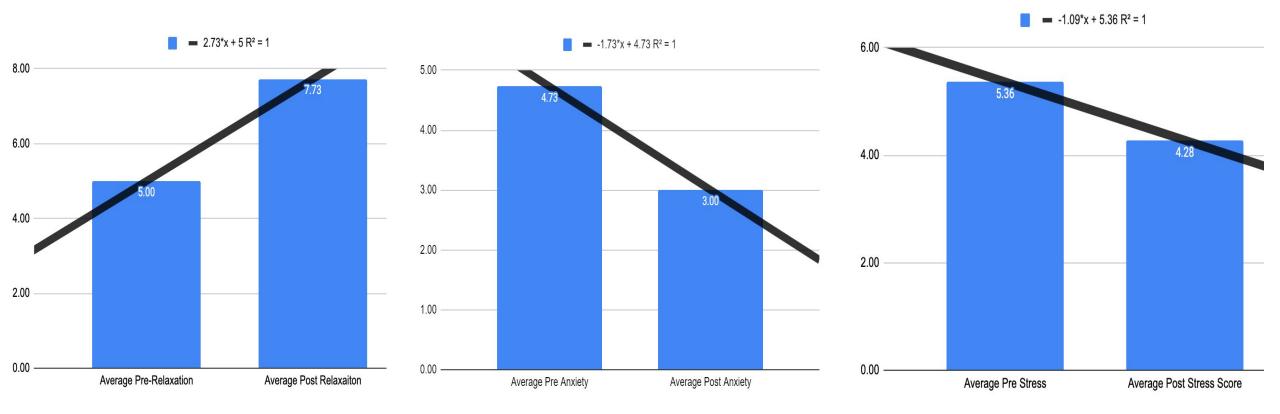


### **Grant Funding & Community Partnerships**

Monmouth University Diversity and Innovation Grant Program Community Partner Organizations & Level I Fieldwork Partners

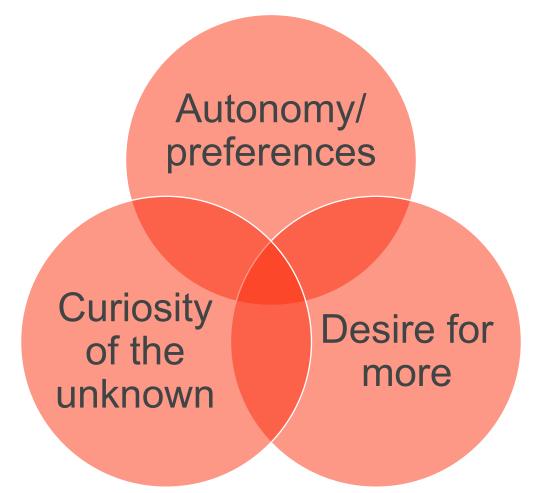


#### **Results of MSE Community Wellness Project**





#### **Results of MSE Community Wellness Project**





# Future Directions: MSE Community Wellness Project

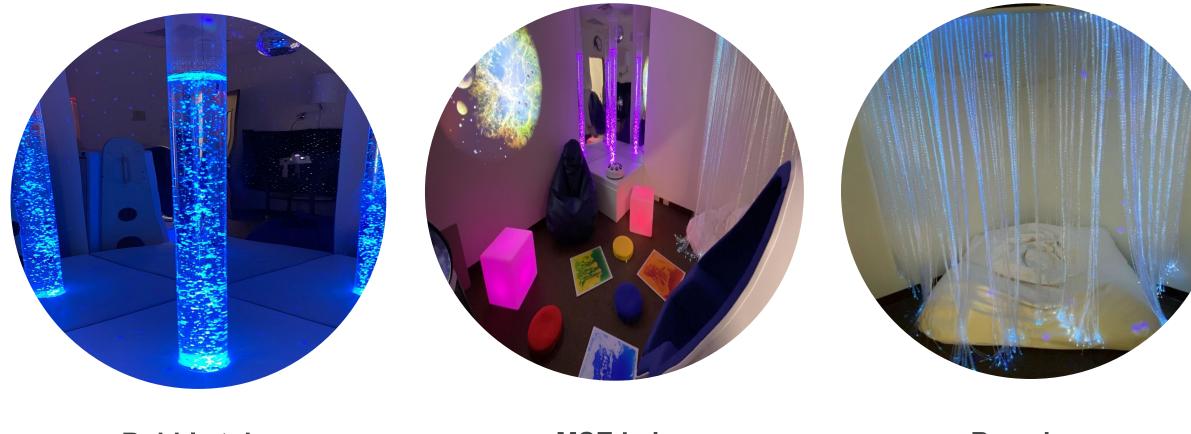
Increased customization flexibility to meet diverse sensory needs

Identification of methods for program enhancement

Diversification of offerings through continued curriculum integration, current/future OTD capstones



## **MSE Community Wellness Project**



**Bubble tube** 

**MSE** Lab

Bean bag



#### Lessons Learned & Tips for Future Implementation

#### Limitations of the present study:

- Small size convenience sample
- Protocol inclusivity for persons with visual deficits
- Limited use of space capabilities and equipment

#### **Considerations for future implementation:**

- Enhancing customization of MSE experiences
- Planning for material upkeep and prevention of damage
- Addition of standardized measurement
- Expansion of offerings
- Next steps for programming







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### **Presenters**





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