

The Mission

PhysioCamp

PhysioCamp is a teaching organization that promotes health sciences and hands-on STEM education to K-12 students.

Why PhysioCamp?:

- Lincreased science exposure beginning in elementary school impacts positive viewpoints on careers in STEM.¹
- Students from rural communities with STEM enrichment programs are more likely to view careers in science as attainable goals and more likely to choose STEM majors in college.²
- *Hands-on learning opportunities provide* motivation for long-term STEM engagement.³
- PhysioCamp provides STEM enrichment tools and long-term mentorship programs with health science professionals to set students on a path of SUCCESS.



ACKNOWLEDGEMENTS

Special thanks to Dr. Holly Ingram, Dr. Robert Carroll, Dr. Jennifer Crotty, and Micah Furr for their mentorship, resources, and PhysioCamp involvement.

HANDS-On Childhood Health Education: **PhysioCamp Early STEM Engagement in Pitt County**

The Project

HANDS-On Health Education

Early PhysioCamp Engagement Initiative: **Host** PhysioCamp events targeted for ages 5-13, expanding community partnerships. Adapt and expand curriculum for additional hands-on learning experiences with young participants, adding healthy lifestyles curriculum and physical activity opportunities. *Nurture* positive, long-term relationships to encourage future STEM engagement. Discover new volunteers and community partners.

Seek opportunities to expand in underserved and rural areas through virtual and in-person programs.

Young children exposed to hands-on STEM education are more likely to love science and pursue careers in medicine.

Project sites included Boys and Girls Club, Joy Soup Kitchen, Bethel Youth Center, Falcon Youth Camp and Operation Sunshine.

Learning Outco

Factual Knowledge:

Lifestyle Choices:

Love for Science:

Qualitative Outcomes:

"I never want to smoke!"

"I want to be a nurse practitioner when I grow up, and I think I can do it!"



<u>018-9441-8</u>



Micah Lee **Brody School of Medicine** Service-Learning Distinction Track leemi19@students.ecu.edu

The Purpose

Outcome Results

Project expansion involved serving as a PhysioCamp programming coordinator for Pitt County, developing curriculum activities, and teaching at community partnership sites

<u>comes</u> :	Pre-Test	Post-Test
e:	7.25/10	9/10
	10/10	10/10
	7.75/10	9.6/10

r-led STEM intervention to reduce stereotypical views of scientists in young children. Research in Science & Technological

., Lane, E., Duhita, M., & Assouline, S. G. (2018). STEM excellence and leadership program: Increasing the level of EM challenge and engagement for high-achieving students in economically disadvantaged rural communities. Journal for the the Gifted, 41(1), 24-42. DOI: https://doi.org/10.1177/0162353217745158 Julià, C., & Antolí, J. Ò. (2019). Impact of implementing a long-term STEM-based active learning course on students' motivation. International Journal of Technology and Design Education, 29(2), 303-327. DOI: https://doi.org/10.1007/s10798-