



LINCOLN HEALTH FOUNDATION

Improving Health Care and Outcomes for Residents of Lincoln Parish

Funding Summary

Initiative:	Kinesiology Curriculum Integration in Lincoln Parish Schools (8 th Grade)
Project Name:	Louisiana Tech University SciTEC & College of Education <i>Kinesiology Curriculum Integration Initiative</i>
Funding Period:	FY 2015-2016
Project Coordinator:	Braden Romer, Ph.D., Department of Kinesiology Lindsey Keith-Vincent, Director, SciTEC
Project Administration:	Louisiana Tech Department of Kinesiology
Total Funding Requested:	\$52,750.

Program Summary

The Sport and Movement Science Laboratory and the Science and Technology Education Center (SciTEC) in the College of Education (COE) at Louisiana Tech University seek to facilitate the integration of Kinesiology concepts including sport and health science into the 8th grade physical education and science curriculum in Lincoln Parish classrooms. There is a need for early and regular exposure to STEM disciplines, but also physical activity, as early exposure is correlated to lifelong adoption of those tasks.

Initiative Goals & Objectives

- Improve teacher pedagogical practices, increase mathematics and science content knowledge, and integration of the acquired skills and knowledge into the classroom setting leading to increase student achievement as evidenced by students' performances on state mandated assessments.
- Exposure to sports and physical activity in a scientific manner will aid in encouraging regular physical activity and the adoption of healthy lifestyle choices with regard to health and wellness. The project will focus on the following key themes:

- Sports and Health Science: general and specific information about the field that can be utilized for applied STEM education.
 - Tools and Technology: a general technology and tool kit will be provided to each participating school, and each participating educator will be trained on operation and extraction of scientific data for teaching purposes.
 - Motion Capture: utilizing fundamental math concepts to explain human motion during activity and sport science.
 - Clothing & Equipment Design: working with various textile and equipment designs during sport application alters biological and chemical functions within the body.
 - Computers: the computer components necessary for sport science analyses, including mathematics application with regards to simplified coding.
- Funding Objective:

Other Initiative Components

- In cooperation with Lincoln Parish school leaders, project staff will recruit 12 -15 stellar educators in Lincoln Parish 8th grade classrooms to actively engage in project activities as participants and facilitators.
- Educator incentive: credits toward +30 educational degree
- Implementation at Simsboro, Choudrant, Ruston and Dubach
- Tech's Department of Kinesiology already has interns at all schools in Lincoln Parish except Ruston High School.