

NCSU Physical and Mathematical Science (PAMS) Foundation, Inc.

This 2010 Ribbon of Hope grant supported The Science House (TSH) of NC State University for a project involving Burke County Public Schools (BCPS) and the Western Regional Satellite Office of TSH located in Caldwell County. Providing science education and technology literacy through outdoor science classrooms and on school campuses in which students regularly use technology as a tool to collect and analyze data. By using real-time data, students clearly see the relevance and application of science concepts to the world around them. In order to achieve a student population ready for the 21st century, teachers must first acquire new pedagogical skills. BCPS developed a cadre of teacher leaders in Burke County's middle and high schools who were trained to use hand-held data collection technologies and inquiry-based learning pedagogy to teach science in grades 6-12. These Master Teachers expanded the program by training other teachers in their schools to use technology and inquiry-based pedagogy in teaching science content.