

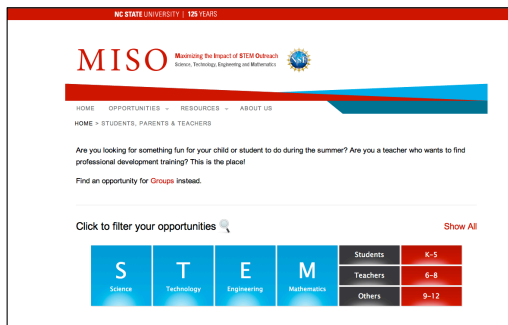
MISO: Maximizing the Impact of STEM Outreach through Data-Driven Decision-Making

Intellectual Merit

- First large-scale assessment of long-term student outcomes following participation in university pre-college STEM outreach activities using NC Department of Public Instruction and National Student Clearinghouse Data
- Database on public school data will be used to longitudinally track students and teachers involved in STEM research
- Data will be used to create a powerful tool for guiding development of best practices, to be shared in workshops

Project Website

- The website miso.ncsu.edu was created to increase participation in NC State's K-12 STEM outreach programs
- Parents, teachers, educators and group leaders can use the website to find great opportunities for children, such as camps and tours, offered at NC State



MISO

Maximizing the Impact of STEM Outreach

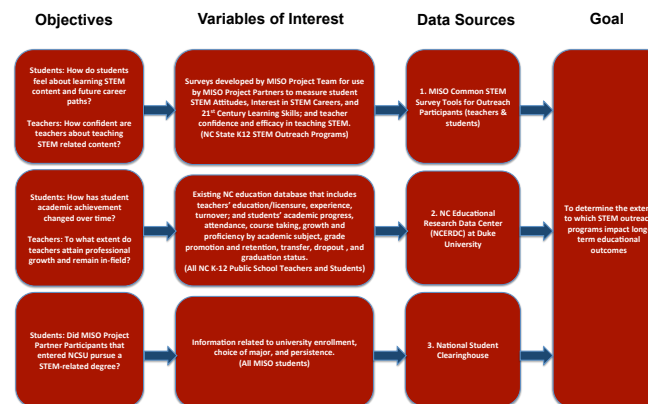
Science, Technology, Engineering and Mathematics



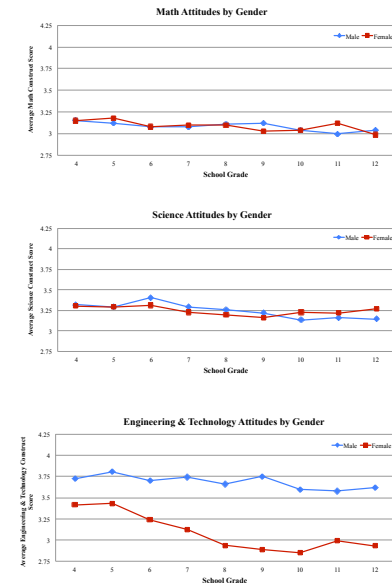
Purpose of MISO

To creatively integrate longitudinal evaluation with innovation within NC State's K-12 STEM outreach programs, particularly those funded by NSF, to help ensure the breadth and depth of the future U.S. STEM workforce

Data Analytics Flowchart



State-wide Benchmarks



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