Problem Definition
• Deficiency of resources available to Chicago Public Schools (CPS) students in executing their science fair projects
• Limited practical experience in performing lab techniques
• Lack of quality and originality in science fair projects

Objectives
• Increase interest in math and science among CPS students
• Prepare students for careers in STEM
• Giving students experience in the process of scientific investigation

Approaches
• The team was divided into two groups: one group focused on writing grant proposals to build an on-campus learning center aimed towards providing CPS students with resources to participate in exciting lab activities revolving around STEM; the second team focused on evaluating effectiveness of the website.
• Members of the team attended and judged CPS science fairs
• Teachers were surveyed for impressions on the website and possibility of an on-campus learning lab facility intended for CPS students

Website Maintenance Team
• Eugene Lamie, Anil Vasireddi, Yaofu Zhou
• Reviewing, editing, finishing up the website
• Perform evaluation of the website through usability testing to complete development cycle
• Compiling a usability report and making appropriate changes to the website based on findings

Grant Proposal Team
• Kenneth Boubel, Satchal Erramilli, Rick Matusiewicz, Samuel Nemanich, Edgar Palacios, Kyle Pinsonneault, Joshua Tate
• Writing grant proposals to get funding for on campus learning lab
• Making contacts with schools, on campus, and with funding agencies to assess interest in learning lab
• Developing a curriculum for use in learning lab

Current Goals
• Make a complete evaluation of the Science Fair Extravaganza website based on the results of the usability test
• Make necessary modification to the website according to the evaluation
• Submit grant proposal for learning lab

Future Goals
• Submit additional grant proposals
• Establish and sustain funding for a math and science learning center

About us
• The team is composed of students in math, science and engineering majors
• The team is committed to help CPS students in science and math by supporting CPS science fairs and providing laboratory experience
• Overall team leader: Samuel Nemanich
• IPRO advisers: Prof. Gregory Fasshauer, Prof. Michael Pelsmajer