High School Apprentice Scientist Program

**Inputs/Context/Resources**
- Local science research centers provide internships and speakers
- Many first generation college-bound students in area

**Expansion Goals & Other Activities**
- Extend program to middle school students
- Expand number of institutions involved
- Alumni events & activities

**Program Activities**
- Recruit diverse group of participants
- Give participants authentic science experience
  - research projects
  - conferences
- Courses & trainings:
  - general science
  - public speaking
  - specific research topics
- Guest speakers
- Goal setting & evaluation activities
- Mentoring on college application process
- Team building activities
- Community service projects

**Short-term outcomes: Science**
- Increase specific science skills and knowledge
- Increase confidence in ability to be scientists
- Increased enjoyment of and interest in science
- Participants have more realistic understanding of diversity of science activities & careers
- Increase science literacy of participants
- Increase personal connection to science

**Short-term outcomes: Other**
- Interns complete program
- Demystify college application process
- Provide experiences helpful in college application process
- Interns improve job skills
  - Resume/corner letter
  - Interview
  - Responsibility (on time, etc.)
- Interns’ increased ability to set and achieve goals
- Interns’ increased ability to work in diverse teams

**Long-term Outcomes/Impacts**
- Increase participants’ chances of entering and completing college
- Increase # of participants who choose science or science ed. careers
- Improve transferable job and life skills of participants
- Increase sense of community among interns and as members of diverse communities
- Increased ability to set and achieve goals
- Interns’ increased ability to work in diverse teams

**Goals**
- Diversify field of working scientists
  - ethnicity/rece
  - gender
  - SES
- Increased science literacy of youth; Understand “nature of science” (both process and content)
- Increased appreciation of value of science
- Increased success of (diverse) participating youth
- Youth become community-minded citizens