



Scientists for Tomorrow



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<http://www.scientistsfortomorrow.org/>



Project Overview:

Scientists for Tomorrow goals are to promote urban youth in Chicago to be aware of, engaged in, and to develop skills related to STEM fields and careers and to nurture positive attitudes towards and behavior related to science and technology information.

Scientists for Tomorrow focuses on awareness about the environment, alternative energy technologies, and engineering methods and STEM careers of the present and future. Youth participate in hands-on science and technology activities in their after-school programming and program participants and their families' are invited to a series of events at partnering Museum of Science and Industry, Field Museum and the Garfield Park Conservatory Alliance.

Project Impacts:

Youth participating in the program will demonstrate a more positive attitude towards STEM content as indicated by pre- and post- attitudes tests.

Youth participating in the program will demonstrate increased STEM content knowledge as indicated by performance on assessments.

- Community members attending events will increase their understanding of how to promote their children to pursue STEM education and careers as demonstrated by interviews and questionnaires.

- Community center directors will demonstrate in surveys increased understanding of the importance of integrating STEM programming into their scheduling.

Scientists for Tomorrow objectives are to:

- Introduce or increase STEM learning activities for underserved populations in after school programs.
- Provide youth, their families and communities, and the public at large, opportunities to attend science and technology events hosted at Chicago area museums and conservatories.

Targeted Audiences for 2-year program:

- 420 youth (10-14 years old) of area community centers.
- Family and community members of youth and members of the general public (estimated 210 individuals).

Scientists for Tomorrow Deliverables:

- A model for a community youth program that explores science and technology topics through programming in after-school and at partnering museums and conservatories.
- A tested model for instructing non-science major, pre-service teachers to implement ISE modules in after-school programming in community centers.
- A model for building new collaborations between community organizations and for building partnerships between institutions of higher education, community youth organization and established providers of ISE for the purpose of increasing access to ISE activities for underrepresented populations.

