

OUTREACH SCHOLARSHIP COMMUNITY PARTNERSHIP AWARD

In recognition of a mutually beneficial and sustained campus-community research partnership.

Angela M. Calabrese Barton

Carmen Turner

The Outreach Scholarship Community Partnership Award is supported by the MSU Quality Fund.



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Carmen Turner, Boys and Girls Club of Lansing, Lansing, Michigan

ANGELA M. CALABRESE BARTON CARMEN TURNER

The Outreach Scholarship Community Partnership Award honors Angela M. Calabrese Barton, professor of teacher education; Carmen Turner, president of the Boys and Girls Club of Lansing; and Scott Calabrese Barton, associate professor of chemical engineering and materials science, in their partnership to build a model for intensive and sustained science, engineering, and technology experiences for young people in the Lansing community. The partnership is an exemplary model of campus-community collaboration designed to support youth in becoming community science experts who can bring about change.

GET City (Green Energy Technologies in the City) has been designed to link out-of-school science investigations with in-school activities. Funded by a grant from the National Science Foundation, this year-round program serves two cohorts of approximately 34 middle school students each. The program teaches content and information technology standards in addition to shared accountability and mechanisms of communication. The GET City project has led to significant personal, community, research, and financial contributions to the community. Its collaborations help link youth development out of school with their work in school, and provides scaffolded pathways for them to make a difference in their communities through science and engineering.

Using longitudinal mixed methods research, the collaboration has yielded new insights into how and why youth engage meaningfully in community-based science and how youth author science and engineering identities. The partnership has also developed and tested a model for connecting after school programs with schools and community organizations to expand the impact of STEM (Science, Technology, Engineering, Mathematics) experts and citizens. Specifically, the program has focused on 1. building capacity among youth to enter STEM-centered academic and career trajectories using job skills development and commitment to STEM areas; and 2. developing cyber enabled interactions among youth and community around green energy technologies and local environmental health.

Dr. Calabrese Barton is recognized nationally for her research on equity and diversity issues in science education. She has generated more than \$8 million in research funding, primarily from the National Science Foundation and the National Institutes of Health. Her scholarly work is published in peer-reviewed scientific journals as well as in training manuals and technical reports.

Ms. Turner is a dedicated and untiring advocate and community leader focused on providing meaningful and educational experiences for urban and minority youth of all ages.