

ORDINARY TO EXTRAORDINARY LEARNING & LEADING GREEN!

BRIDGES, Inc.

Department of Architecture

UPTOWN

PROJECT COORDINATORS

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NEIGHBORHOOD

Uptown, north downtown revitalization district

CHALLENGE

Low achievement in math and science among Memphis City School students is a long-standing concern. Older homes are typically less energy efficient and require residents to be more aware of energy efficient strategies.

IDEA

Deliver a middle-school curriculum in partnership with neighborhood schools that will:

- Increase mastery in math and science among middle school students
- Provide opportunities to middle school students to supply leadership for environmental sustainability and economic development
- Provide meaningful, economic development opportunities for youth through “green” employment
- Encourage cost savings and energy efficiency within Uptown/Downtown schools and homes

IMPACT

- Middle-school level sustainable design curriculum taught at Humes, Vance, and Bellevue schools
- Exceeded goal of reducing greenhouse emissions through change in students’ behaviors
- More than 1,800 students participated in BRIDGES Ordinary to Extraordinary: Learning & Leading Green! Program
- Over 40 students and 4 faculty supported the process, giving students a meaningful learning experience and furthering the engaged research agenda of the faculty members



Students learn about sustainable landscaping through their tour of the green roof at the BRIDGES facility.



Participating in a field trip to support math and science curriculum based on sustainable design and living.



Architecture faculty and students work with local residents on a planning charette.



Middle school students engage in a hands-on experiment at a BRIDGES field trip.