

Providence Career and Technical Academy

U.S. DEPARTMENT OF EDUCATION
GreenRibbonSchools

Education Built to Last
Facilities Best Practices Tour 2013

Providence Career and Technical Academy
41 Fricker Street
Providence, RI 02903

Serving 650 students, Grades 9-12
60% Free and Reduced Lunch Eligible

Built 2009 300,000 sq ft

School website: <http://www.edline.net/pages/PCTA>



Facilities

- CHPS verified design
- EPA Energy Star building
- Tools for Schools participant
- 19% GHG emissions reduction
- 16% non-transportation energy use reduction
- 21% water consumption reduction
- 15 % of energy from on site PV and wind
- Nearly 100% walk, carpool or use public transit

Health

- 120 minutes per week PE time
- Students walk to city site field trips
- Backpack program to supply weekend food to needy families
- 10 acres of local farmland supports district foodservice use

Education

- Project-based learning model
- Kiosk energy dashboard and monitored in classes
- Student-built outdoor lab
- PD in environmental and sustainability education for all staff
- Green technologies and sustainable practices taught in all tech programs

School Highlights

Project-Based-Learning incorporating Science, Technology, Engineering and Mathematics applications

Science Labs that utilize "School-as a-Tool" resources

Technology Rich with Smart Boards and desktops in every classroom, 200 laptops in Library Media Center, electronic textbooks and eBooks available to all students

Public Services provided by students in Culinary, Pastry, Cosmetology, and Automotive. All programs recycle waste and use sustainable products.

Sustainable Practices and Environmental Community Impacts focus in after school and summer programs

"Promoting a healthy learning environment, educating students on sustainable practices and reducing environmental impacts on our community is what the Providence Career & Technical Academy is all about" ~Ramon D. Torres, Director of Career & Technical Programs

Read more about this school and other Green Ribbon Awardees at <http://www2.ed.gov/programs/green-ribbon-schools/awards.html>

Providence Career and Technical Academy (PCTA) has emerged as a leader in sustainable building techniques and environmental education. By integrating its many disciplines, PCTA prepares students for a sustainable future.

With the school's major reconstruction in 2009, the decision was made to overhaul all aspects of the school with a focus on sustainability. As a high school located in an urban setting, the career and technical education programs offers sustainability, environmental awareness, and energy efficiency education in our everyday classes which provides a unique opportunity to teach students how to shape their futures.

With a facilities manager trained specifically on high performance schools, the building gets the attention it needs to run as efficiently as it was designed to. PCTA has a large auditorium and field house which make the school ideal to hold special events and to showcase the school's environmental techniques and technologies to the community. In 2010, PCTA held a School as a Tool conference attended by State Senators, the EPA administrator and over 200 people. The building provided a great backdrop to discuss Project-Based Learning, Indoor Air Quality, and Operations and Maintenance, and for the Culinary Arts Program to serve a menu including local organic offerings.

View PCTA's project based learning video at <http://www.youtube.com/watch?v= 0MxmDk0P3A&safe=active>

