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](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](http://www.youtube.com/watch?v=_0MxmDk0P3A&safe=active)