

Green Profile: Allegheny Traditional Academy (K-5) (6-8)

Allegheny Traditional Academy (K-5) (6-8) features a number of young thornless honeylocust and London planetrees around its grounds. On the Arch street of the school, blue holly shrubs and creeping juniper create a greener entrance along the main ramp.



Number of plants planted:

7 Trees

41 Shrubs

8 Perennials

About the Green Profile

Funded by The Grable Foundation, the Western Pennsylvania Conservancy's School Grounds Greening Project brings children closer to nature by enhancing the grounds of Pittsburgh Public Schools with greenery and outdoor green spaces.

The *Green Profile* is a fact sheet that highlights the projects WPC has completed at each of the Pittsburgh Public Schools.



The Benefits of Greening



Educational Benefits

Students can learn a lot from the honeylocusts, which were planted in tree pits in the school's sidewalks. Replacing hard, impermeable surfaces with soil and trees helps to absorb gallons of storm water runoff during rain showers. Also, once the trees grow a few feet taller, they will help to shade and cool the concrete on hot days.

Beautification

Allegheny's trees provide a vibrant touch of color to the school's predominately concrete landscape. The London planetree has an interestingly "spotted" bark that flakes, exposing the smooth white surface beneath. In the spring, the honeylocust tree produces a delicate, fragrant flower.



Environmental Benefits

The 7 trees planted at Allegheny are currently 2" in diameter. If they are well cared for and grow to 8", they have the potential (per year) to:

Absorb 5,989 gallons of storm water runoff

Conserve 399 kilowatt hours of electricity by cooling the building

Reduce atmospheric carbon by 1,848 pounds

\$571 in annual benefits!



Calculations provided by www.treebenefits.org