

Green Profile: Arlington Intermediate (3-8)

Arlington Intermediate (3-8) features neat rows of young trees lining its parking lot, front entrance, and courtyard.

Three species of trees were planted at Arlington:

- Armstrong freeman maple**
- 'Village Green' zelkova**
- Thornless honeylocust**

Number of Plants Planted:

- 14** Trees planted
- 29** 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 about science and environmental studies concepts from the Armstrong freeman maple trees, planted in the courtyard. Once these trees grow a few feet taller, they will help to cool classrooms and reduce the school's energy costs through shading. They will also absorb a significant amount of storm water runoff (see *'Environmental' Benefits*) that may have otherwise flooded the courtyard's impermeable concrete surfaces.

Beautification

The thornless honeylocust trees lining the outer sidewalk add a welcoming row of color and shade in front of the school's parking lot. In the courtyard, the bright green leaves of the Armstrong freeman maples provide an attractive complement to the school's blue trimming.



Environmental Benefits

The 14 trees planted at Arlington Intermediate are currently 2" in diameter. If they are well cared for and grow to 8", they have the potential (per year) to:

Absorb 9,327 gallons of storm water runoff

Conserve 647 kilowatt hours of electricity by cooling the building

Reduce atmospheric carbon by 3,327 pounds

\$909 in annual benefits!



Calculations provided by www.treebenefits.org