

Green Profile: Lincoln Primary (K-5)

Lincoln Primary features a 'Discovery Garden' complete with a stepping stone path, low-to-the-ground boulders, and plants with year round interest. Two long tree pit strips flank the existing playground.

Number of plants planted:

- 8 Trees
- 8 Shrubs
- 130 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

The 'Discovery Garden' provides a safe and engaging landscapes that inspire imaginative play. Manufactured play sets are often made of hard metals and plastics that can become uncomfortable on very hot or cold days. Lincoln Primary's low-to-the-ground boulders, soft grasses, and colorful shrubs form a space where students can explore the wonders of nature and move about freely.

Beautification

The 'Discovery Garden' is planted with 13 different species of trees, shrubs and perennials which creates a palette of vivid colors, shapes, textures and fragrances. Fragrant sumac, for instance, has coarsely toothed, bluish-green leaves and a pleasant aroma. The trees planted adjacent to the existing playground will eventually help shade the area and alleviate the 'heat island' effect.



Environmental Benefits

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

Absorb 431 gallons of storm water runoff

Conserve 27 kilowatt hours of electricity by cooling the building

Reduce atmospheric carbon by 137 pounds

\$319 in annual benefits!



Calculations provided by www.treebenefits.org