



## Brookwood Elementary School Levittown, PA

Brookwood Elementary School is a product of a prototype design developed by the design team to allow for simultaneous construction of three new elementary schools replacing nine existing outdated neighborhood schools. The school is designed to support two specific grade-grouping structures, K-2 and 3-5, in a "school within a school" format. The design places functions shared by both programs— Learning Resource Center, dining, gymnasium, administration, and art and music instruction— at the center of the building with other academic spaces flanking the shared core. Learning studios, small-group instruction areas and large-group instruction areas provide spaces for individual, small-, medium- and large-group learning. Spaces traditionally used as vertical transition areas function as additional dynamic, large-group instruction spaces in the form of "learning stairs."

Incorporating sustainable measures that include ground source heat pump system, recycled/ renewable materials, rain gardens, high-efficiency building envelope and dimmable/ daylight-controlled lighting systems, the district is reducing overall energy usage by consolidating the population of three inefficient buildings into one highly-efficient facility

### New Construction/Addition

Entire school/campus building

#### SCHRADERGROUP architecture LLC

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#### DESIGN TEAM

David L. Schrader, AIA, LEED AP, Principal-in-Charge  
Bruce E. Bachtle, AIA, Project Manager  
Daniel D'Amico, AIA, LEED AP, Project Architect  
Monique McCray, Assoc AIA, LEED AP, CDT, Interiors

#### OWNER/CLIENT

Bristol Township School District  
Levittown, PA  
Dr. Melanie Gehrens, Superintendent  
215/943-3200

#### KEY STATS

Grades Served: K-2 and 3-5  
Capacity: 1,200  
Size of Site: 15 acres  
Building Area: 140,455 sq. ft.  
Space per Student: 117 sq. ft.  
Cost per Student: \$27,615  
Square Foot Cost: \$236  
Project Cost: \$33,138,362  
Completion Date: August 2016

PHOTOGRAPHY: SCHRADERGROUP ARCHITECTURE LLC

