GLENARDEN WOODS ELEMENTARY SCHOOL

7801 Glenarden Parkway, Glenarden, MD 20706

PROJECT TEAM

Prince George's County Public Schools - Owner
Moseley Architects - Architecture, Interior Design, Sustainability Planning, Energy Analytics, and Construction Contract Administration
ADTEK Engineering - Civil and Structural Engineering
Weigan Associates - MEP Engineering
Koffel Associates - Fire Protection Engineering
L2M - Foodservice Consulting
Forella Group - Cost Estimating
Hess Construction - General Contractor

PROJECT SIZE	114,732 GSF
CERTIFICATION	LEED-S 2009 Gold
FTE	531
DAILY VISITORS	20

DESCRIPTION

Certified as LEED Gold, the project is a major addition and renovation of Glenarden Woods Elementary. The existing building was 92,931 square feet. Approximately 18,309 square feet was demolished, 74,622 square feet renovated, and 40,110 square feet of new construction was added.

The primary challenge of the Glenarden Woods Elementary School modernization project was how to upgrade existing portions of the outdated building to meet the 21st century learner's needs and expectations and achieve LEED certification. This impacted all decisions including sustainability design. Several stakeholder meetings were held to build consensus with Glenarden Woods Elementary School staff and PTA on modernization needs.

A 21st century learning philosophy of adaptable classrooms with the flexibility for accommodating various size groups, presentation formats, and maximum connectivity to outside resources is incorporated into the renovation design. Spaces include a symposium lab much like a black box for flexible theatrical use and a STEM lab for collaborative learning modules.

Upon entering the school, students, staff, and school visitors are engaged in a school-to-life connection through the dashboard. This feature integrates submetering information into a data driven program, which is then displayed graphically on a monitor.

To increase natural light into the new addition, clerestories were designed adjacent to the existing classrooms, which allows natural light into the classrooms and new extended learning areas. Solatubes were installed to provide additional natural light in the areas that could not be improved through windows.

The design encourages energy efficient transportation to and from the site through walking paths, bicycle lanes and lockups, and preferred parking for fuel-efficient vehicles.