



Green School Building
New Construction

**EI ASSOCIATES, ARCHITECTS
& ENGINEERS**

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OWNER/CLIENT

Neptune Township
Public Schools
Neptune Township, NJ
David Moijj, Superintendent
732/776-2000

Type of School
and Grades Served:
Elementary School, Pre-K-5

Capacity: 736 students

Size of Site: 6.7 acres

Space per Student:
155 square feet

Cost per Student: \$28,216

Square Foot Cost: \$181

Total Project Cost: \$22.1 million

Completion Date: May 2006

Percent of Completion: 100%

Summerfield Elementary School

Neptune Township, New Jersey

EI Associates, Architects & Engineers



EXTERIOR



AERIAL VIEW



INSTRUCTIONAL GARDENS

This gold-standard school has become a living textbook for staff and students. Whether it is measuring the amount of rainfall being collected to irrigate the students' planting beds and graphing the seasonal rainfall, describing how the natural vegetation and biomass topsoil of the bioretention swale control and purify rainwater runoff, or calculating the amount of energy savings each month because of the high-performance geothermal heating, cooling, and

ventilation system, students and staff members at Neptune Township, New Jersey's Summerfield Elementary School view their school as a living textbook in their green schools curriculum program.

Recently certified by the U.S. Green Building Council as the first LEED Gold public school in the state, Summerfield is an excellent example of a building that enhances the teaching of sustainability in an energy-efficient, environmentally sensitive learning environment.

The green building principles incorporated into the school's design enable the students to examine the positive impact the school facility has on our environment. Already the school has realized an energy savings of 34 percent and has reduced water consumption by 35 percent.

EI Associates is proud of its partnership with the district in developing meaningful educational experiences to teach sustainability to the future stewards of our environment. ■