



Entire School/Campus
Building
New Construction

BSA+A

715 N. Orange Street
Wilmington, DE 19801
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Amanda Mattei
302/658-9300

DESIGN TEAM

Buck Simperts, AIA,
Executive Oversight

Bruce Watts, Project Manager
Kristen Biagini, Interior Designer
Tony Vassalotti, Project Designer
Kathy Knotts,
Construction Management

OWNER/CLIENT

Appoquinimink School District
Middletown, DE
Dr. Tony Marchio,
Superintendent
302/378-5010

Type of School and
Grades Served:
High School, 9-12

Capacity: 1,600 students

Size of Site: 185 acres

Area of Building:
210,000 square feet

Volume of Building:
3.5 million cubic feet

Space per Student:
131.3 square feet

Cost per Student: \$5,285

Square Foot Cost: \$325

Cost of Construction: \$42 million

Total Project Cost: \$42 million

Contract Date: Nov. 2003

Completion Date: Aug. 2008

Percent of Completion: 100%

HIGH SCHOOLS

Appoquinimink High School

Middletown, Delaware

BSA+A

The new 210,000-square-foot high school is designed for a capacity of 1,600 students. The design allows public access to the media center, administration offices, an 800-seat auditorium, and a 2,000-seat gymnasium after normal school hours for both school and community programs. The design also offers a creative solution for



EXTERIOR—MAIN ENTRANCE



COMMONS AREA

large-group activities by locating the cafeteria, commons area, auditorium, and gymnasium adjacent to each other.

The separation of the ninth-grade academy facilitates the transition from middle to high school. The state-of-the-art auditorium includes fly space and large-group instructional areas located in the back with moveable partitions. The layout features a “main street” concept that links the building’s programmatic elements.

The building’s design incorporates green initiatives typified by the LEED rating system. Lighting-control monitors and high-efficiency



SCIENCE LAB

plumbing fixtures are among these features. The lighting-control monitors saved the district more than \$100,000 during construction alone.

The building is situated on the site giving consid-

eration to natural light, prevailing winds, and existing preserved wetlands. The building is positioned back away from the road so traffic noise does not affect the learning environment. ■

PHOTOS: CHARLES UNKATOWSKI