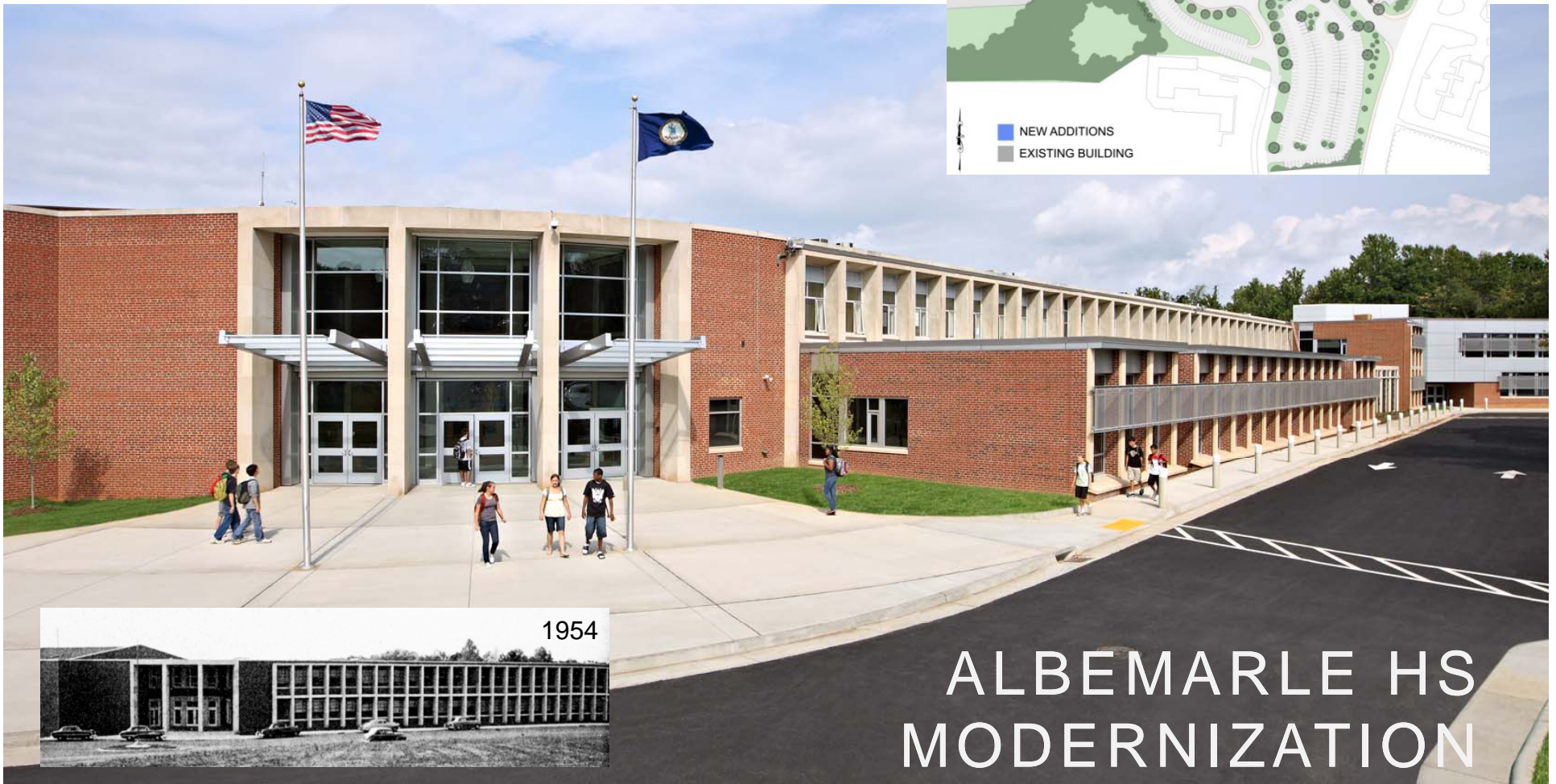
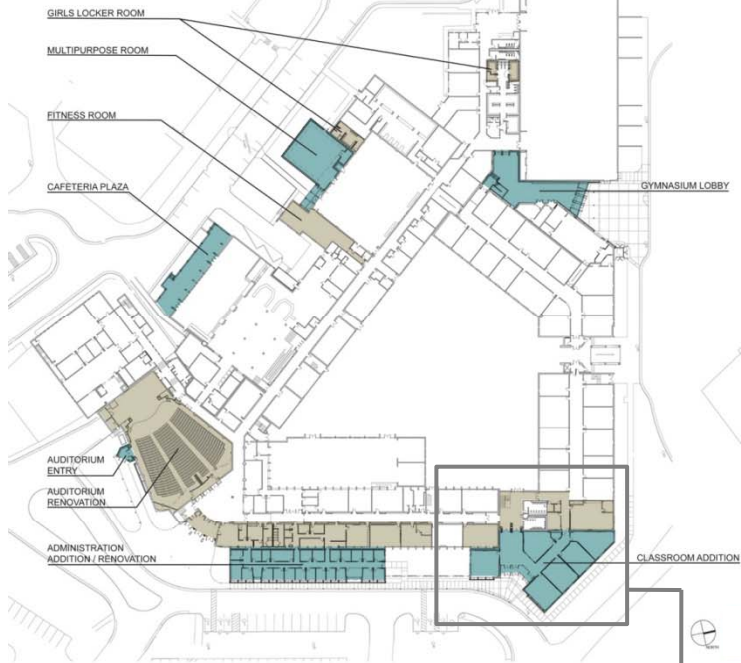


# COMMUNITY

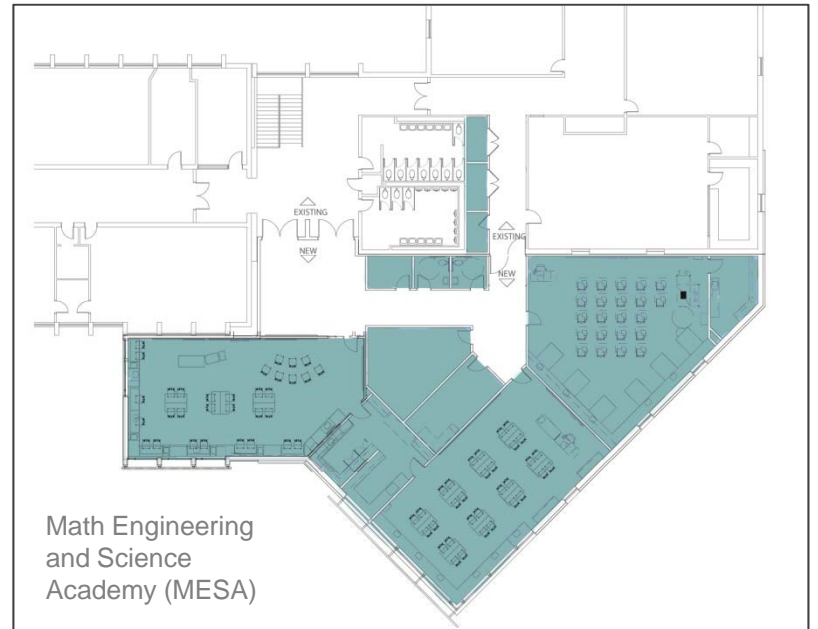
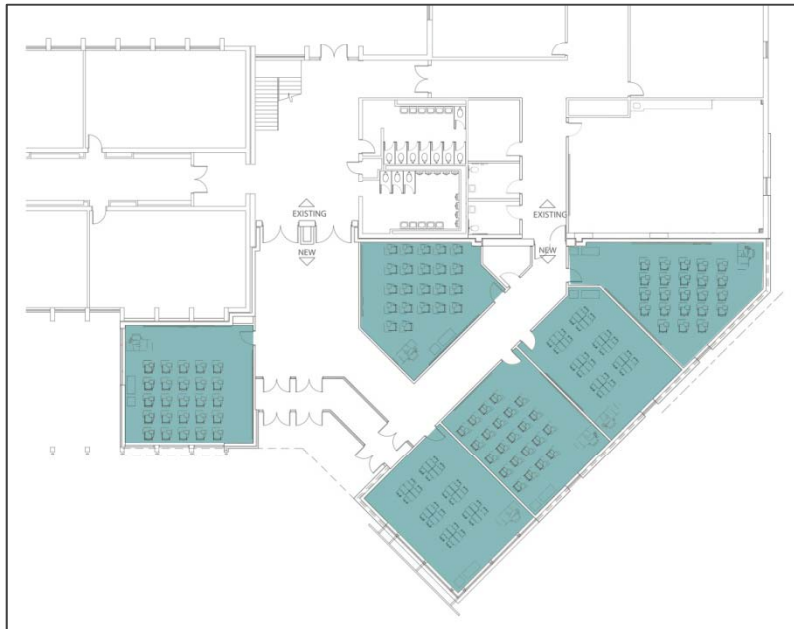
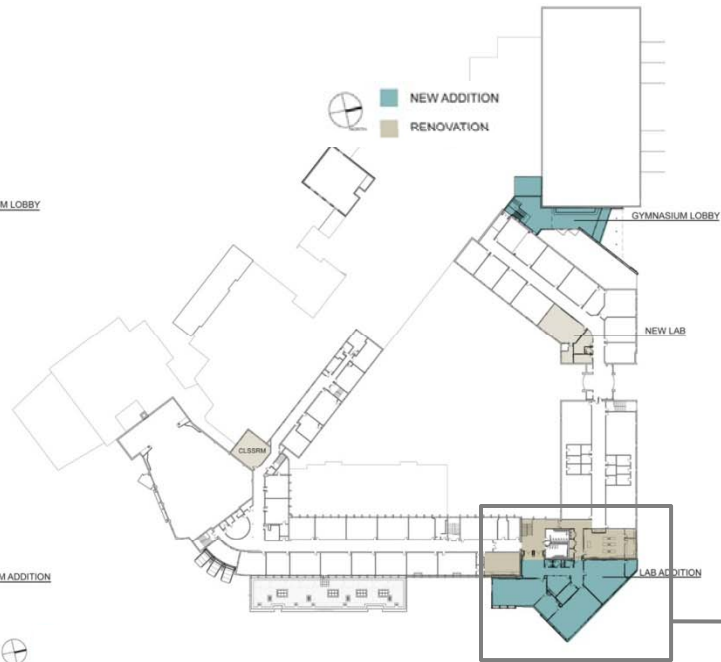
For more than five decades, Albemarle High School has held a prominent position as a center of teaching and learning for the community, evolving through renovations and additions which reflected educational trends of the time. In August 2009, the latest series of additions and renovations carefully weave new spaces into the existing building fabric for 21st century teaching and learning. As part of the new design, the project added new classrooms and science labs, professional learning spaces, administration spaces, a refurbished auditorium, multipurpose space, locker rooms, and an outdoor dining plaza for students.



# FIRST FLOOR



# SECOND FLOOR



# COLLABORATION & EXPERIMENTATION

As part of the academic additions, a new Math Engineering and Science Academy (MESA) program has been launched, in which students participate in math and science core classes in a modified curriculum that focuses on practical applications, collaboration and experimentation. To offer students lessons in the engineering and science that surrounds them in these new spaces, the building reveals itself with exposed structural systems and mechanical and electrical devices. Signage is provided which describes the various parts and systems of the addition; tying the building to specific curriculum used in the course of study.

## “BUILDING AS A TEACHING TOOL” SIGNAGE



# FLEXIBILITY & INTEGRATION

Each classroom space facilitates project-based learning with flexible arrangements which support small groups or individual activity. The teaching spaces allow for multiple arrangements of furniture for instructional style with placement of teachers controls and marker boards. Lighting can also be controlled in multi-level configurations. Wireless technology aids the configuration of classroom set up as well as student access to information.

A technology rich environment provides unencumbered access for the integrated instructional technology. Students are provided 1:1 computer access and daily instruction incorporates streaming video, digital projectors, digital instruments, smartboards, wall mounted projector booms, and an abundance of instructionally-based software.

In addition, all classrooms and the majority of office spaces include views to the exterior and access to daylight either through large windows or skylights and interior glazed partitions. All spaces along the exterior have operable windows for access to natural ventilation.

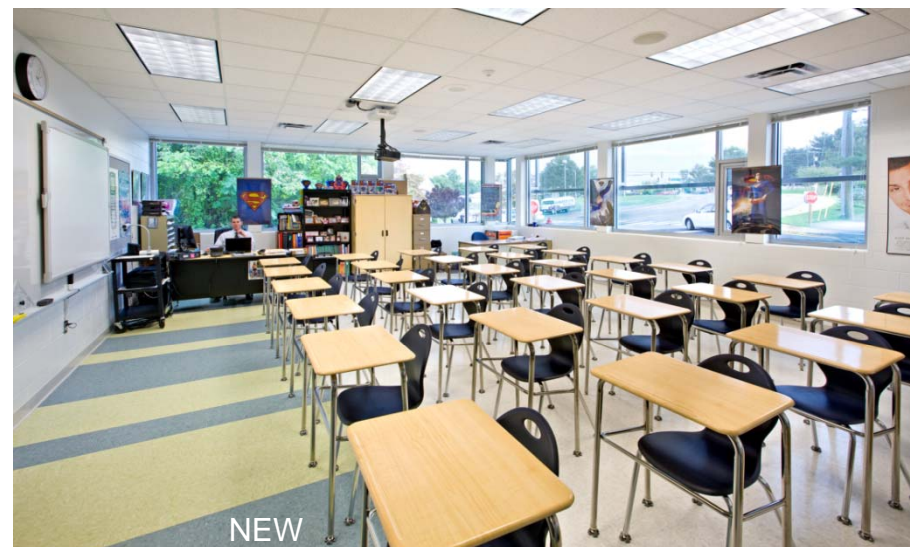


AFTER



COMPUTER LAB  
BEFORE

## NEW SCIENCE LAB



NEW

# STUDENT EXPERIENCE

Spaces throughout the building were improved to enhance experiences for both students and teachers. The auditorium, gymnasium lobby, cafeteria dining, student fitness center, and locker rooms were all renovated to provide students with updated facilities and increased accessibility.

BEFORE



Gym Lobby Area



AFTER

AFTER

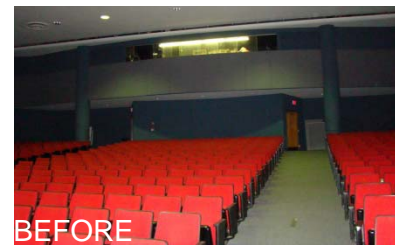


Outdoor Student Dining



BEFORE





STUDENT EXPERIENCE

# SUSTAINABILITY

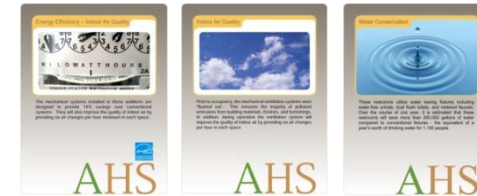
Designed to support the County's commitment to sustainability, existing facilities were improved in lieu of expanding into less developed areas highlighted by access to at least 10 services within 0.5 miles and access to public transportation.

The administration addition mostly replaced an existing impervious paved area and is covered with a vegetative 'green' roof. The green-grid system consists of pre-planted modules which aids in maintenance of the roof and planted materials. The new roof areas, along with the vegetative roof, reduce heat island effect and improve the energy efficiency of the new spaces.

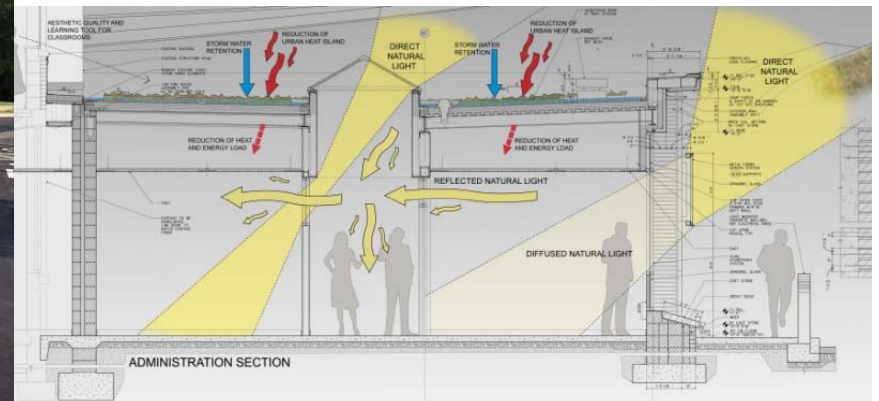
Natural lighting is important to all interior spaces, especially classrooms and offices. As the existing building program dictated where the additions would occur, the design for the additions includes a solar screen in front of the windows which blocks glare and solar heat gain into these spaces while offering some measure of material transparency.



The project also provided signs which identify the sustainable strategies, teaching students about the building around them.



“Sustainability Learning” Signs



# SUBTLE SECURITY

The administration suite was reoriented and expanded to better control visibility and access to the main building entry. The original entrance was enclosed creating a vestibule which directs all outside visitors to the main office before entry into the school. Expansion and reorganization of the administration offices provide better access for students, faculty and the public and create a more collaborative and professional environment. The guidance suite was also relocated from a remote area of the building to provide opportunities for increased collaboration with other administrative leaders.



BEFORE



AFTER





## DESCRIPTIVE DATA

SITE SIZE:	216 Acres (shared with ES and MS)
STUDENT CAPACITY:	1,732 students
AREA OF BUILDING:	New Additions – 22,059 SF Renovated Area – 12,492 SF
TOTAL PROJECT COST:	\$9,177,200
COST PER SQFT:	\$265.61 TOTAL for all work (including site work and renovation costs)
COST PER STUDENT:	\$5,298 SF/Student
SPACE PER STUDENT:	20 SF



# PROJECT IDENTIFICATION

## **Albemarle High School Additions and Renovations**

Albemarle County ,VA

## **Dr. Pamela Moran, Superintendent**

Albemarle County Public Schools

## **BCWH Architects**

Principal–In-Charge: **Roger D. Richardson, AIA, REFP**

Project Manager: **Charles Tilley, AIA, REFP, LEED<sup>AP</sup>**

Project Architect: **C. Michael Gibson, AIA, LEED<sup>AP</sup>**

Interior Designer: **Ashley Odom, CID, LEED<sup>AP</sup>**

## **Consultants**

MEP Engineer: **Thompson Consulting Engineers**

Structural Engineer: **Dunbar Milby Williams Pittman & Vaughan**

Civil Engineer: **Timmons Group**

Educational Planning: **Eperitus**

Contractor: **Kenbridge Construction**

Photographer: **Chris Cunningham Photography**



ARCHITECTURE  
INTERIORS  
PLANNING

1840 West Broad Street  
Suite 400  
Richmond, VA 23220

[www.BCWH.com](http://www.BCWH.com)  
804.788.4774 **PHONE**  
804.788.0986 **FAX**