



Choate Rosemary Hall—The Cameron and Edward Lanphier Center for Mathematics and Computer Science

Wallingford, CT



New Construction/Addition

Entire school/campus building

Pelli Clarke Pelli Architects

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DESIGN TEAM

WSP Group, MEP, LEED, AV, Security
DeStefano & Chamberlain, Structural Engineering
Land-Tech Consultants, Civil Engineering
Cline Bettridge Bernstein Lighting Design, Lighting Design
Ager Group/Ryan Associates, Landscape Architecture
Acentech, Acoustics

OWNER/CLIENT

Choate Rosemary Hall • Wallingford, CT
Dr. Alex Curtis, Headmaster

KEY STATS

Grades Served: 9–12, Post-Secondary
Capacity: 326 students
Size of Site: 3 acres
Building Area: 34,728 sq. ft.
Space per Student: 143 sq. ft.
Cost per Student: \$77,100
Square Foot Cost: \$397
Construction Cost: \$13,628,300
Project Cost: \$18,501,500
Completion Date: February 2015
Sustainability Rating System/Applied/Status/Level:
LEED/Gold/Gold

PHOTOGRAPHY: ROSS MORTENSEN

The Cameron and Edward Lanphier Center for Mathematics and Computer Science, on the campus of Choate Rosemary Hall, opened in February 2015. Lanphier Center draws inspiration from Choate's architectural traditions and landscape. Located in a highly visible and widely used part of the campus, it is next to Archbold Hall, a classic Georgian building by Ralph Adams Cram, and near I.M. Pei's Icahn Center for Science. Venerable 150-year-old beech and weeping trees and protected wetlands also play an important role in shaping the building. While relating carefully to the natural and architectural traditions of Choate, the curriculum goes beyond traditional disciplines of



science, technology, engineering and mathematics to incorporate art and design.

Twelve classrooms are equipped with interactive digital projectors and flexible furniture to allow faculty to structure the class to optimize learning. There are three labs: Shattuck Robotics Lab, i.d.Lab, and a computer lab. The two-level i.d.Lab is a mindset, space and resource for the entire Choate community, offering opportunity for innovation and fostering creativity with courses such as reverse engineering, design thinking, film-making, robotics and architecture.

The facility also includes the 50-seat Elman Auditorium with a high resolution 4'x 16'

interactive touch screen array. The van Eck Classroom is wired for collaborative distance learning and interactive teleconferences. Additional features include a café, a student commons and intimate reading nooks to encourage chance meetings of students and faculty to share ideas. The openness and transparency of the interiors support connections, and allow learning to be on display.

The building is designed for a LEED Gold rating. Both building systems and materials were selected to minimize energy use and impact on the environment. Operable windows, low-velocity displacement ventilation and light sensors with daylight harvesting help reduce

energy consumption to less than 35 percent of a conventional building.

Lanphier Center has become a hub of collaboration and creativity. Students have inhabited it as their own, and the building is busy with classes, workshops, club meetings and study groups throughout the day as well as evenings and weekends. Each student at Choate studies in Lanphier Center, and the facility is now an anchor for the campus, with versatile space that promotes learning beyond the classroom.