



RENOVATIONS/ ADAPTIVE REUSE

Entire School/Campus Building

CR ARCHITECTURE + DESIGN

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DESIGN TEAM

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Project Design Architect
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Project Manager/Designer
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Terrance Liette, PE, LEED AP,
Project Executive
Riyad Bannourah,
Technology Designer

OWNER/CLIENT

Cincinnati Public Schools
Cincinnati, OH
Michael Burson
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KEY STATS

Grades Served: 7-12
Capacity: 1,200 students
Size of Site: 5.6 acres
Building Area: 297,924 sq. ft.
Building Volume: 5 million cu. ft.
Space per Student: 248 sq. ft.
Cost per Student: \$28,333
Square Foot Cost: \$114
Construction Cost: \$34 million
Total Project Cost: \$47 million
Contract Date: Jan. 2007
Completed: Oct. 2010

PHOTOGRAPHY: WILLIAM MANNING
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HIGH SCHOOL

Hughes STEM High School

Cincinnati, OH



Hughes STEM High School renovation, completed in the fall of 2010, was the historic preservation of a five-story building built in 1910. The aging building was in need of larger, upgraded learning spaces. The team worked together to renovate and restore space that would fit the school's curriculum, focusing on 21st century learning features to prepare students for college.

New functional classrooms, labs, and collective learning areas focusing on science, technology, engineering, and mathematics (STEM) were designed to promote students to become life-long learners through a project-based course structure. Student teachers from the University of Cincinnati participate in professional development sessions with Hughes staff to learn about current trends in STEM learning and project-based curriculum.

Upgrading the existing high school included renovations to the interior space and restoration of the exterior façade, specifically the architectural elements of terra cotta and masonry. This project included new mechanical, electrical and



plumbing, fire protection, and technology elements. New energy-efficient windows were designed to receive and fit the existing historic stained glass panels. Incorporating this fea-

ture allowed the design team to respect the history of the space by preserving the intricate panels while still achieving energy efficiency for the historic facility. ■