



SPECIALIZED EDUCATIONAL FACILITY/VOC-ED

Robert R. Shaw Center for STEAM Katy, TX



Imagine this: Young inventors working on robotics; students investigating digitally projected light color combinations; learners taking fingerprints and conducting interviews on a simulated crime scene. Where can you find these activities? At Katy Independent School District's Robert R. Shaw Center for STEAM. Katy ISD and the community it serves have long embraced the areas of science, technology, engineering, arts, and mathematics (STEAM), but had no dedicated space for the district's robust robotics program or other STEAM-related curriculum. Recognizing the great potential, Katy ISD fully committed to providing a permanent home for these engaging programs, full of endless possibilities, bringing together students, teachers, and community mentors.

The 24,000 square foot Robert R. Shaw Center for STEAM is an incubator space designed for district-wide interaction. At the entrance is a large high-bay space, used for project testing and demonstrations, large community events, and staff development. This space affords direct views to the eight individual

project bays, which serve as design/build spaces. At the north edge, a professional quality, multipurpose room supports interactive digital learning, and a shared shop with high-resolution tools bookends the southern edge. The facility design allows for potential future expansion.

New Construction

Career-tech/voc-ed

Stantec Architecture

20 E Greenway Plaza, Ste. 200
Houston, TX 77046
www.stantec.com/education
Laura Sachtleben, AIA, NCARB, LEED AP BD+C
713/548-5880

DESIGN TEAM

Stantec Architecture, Architect
S&G Engineering Consultants, LLC, Civil Engineering
Mary L. Goldsby Associates, Landscape Architecture
DBR Engineering Consultants, Inc., MEP Engineering

OWNER/CLIENT

Katy Independent School District
Katy, TX
Dr. Lance Hindt, Superintendent
281/396-6000

KEY STATS

Grades Served: K-12
Capacity: 660 (core design); 336 (seating in high-bay space)
Size of Site: 4 acres
Building Area: 24,000 gsf
Space per Student: Varied sq. ft.
Cost per Student: Varied; serves all 73,000 students in the district
Square Foot Cost: \$258
Construction Cost: \$4,968,495
Completion Date: January 2015
Sustainability Rating Status: TX CHPS Designed

PHOTOGRAPHY: LUIS AYALA

