

New Lebanon School

New Construction

Location	Greenwich, Connecticut	Size	60,000 square feet
Architect	TSKP Studio	Cost	\$37.3 million
Services	MEP/FP, Tech Design, and Energy Analysis	Completed	2019

Sustainability CTHPB, Designed to LEED Gold Equivalent



Located on a nature-steeped site, this new, two-story elementary school for the Town of Greenwich accommodates approximately 375 children from Pre-Kindergarten through Grade 5. Targeting a magnet school population, the school offers a research and evidence based International Baccalaureate (IB) program. An important goal of the design team was to enhance this unique learning experience for the school's students and to assist in creating a highly productive teaching environment for the faculty. Many spaces within the 60,000 square-foot school have been designed with versatility in mind, including flexible furnishings and technological infrastructure, allowing for concurrent, multi-zone learning.

In addition to comprehensive MEP and Technology design, our team provided significant energy analysis in support of the school's sustainability goals. The facility, a CT High Performance Building (CTHPB), was designed to achieve LEED Gold certification. The design followed an integrated design process informed by TSKP Studio, members of the district's Board of Education, and Kohler Ronan. Initial energy models were created to identify design targets for envelope, lighting, and mechanical systems aimed at meeting the LEED Gold target. This iterative energy modeling process also allowed the team to make decisions based on the life-cycle cost performance of the various options proposed. The final school design incorporated a photovoltaic system for educational outreach and was 30% more energy efficient than the ASHRAE 90.1-2007 Baseline.



Images: Courtesy of TSKP Studio