The STEM Learning Facility and Shaw Lane Power Plant Renovation combines 120,000 square feet of new construction for STEM teaching labs, 40,000 square feet of renovation for MSU’s Center for Innovation in Learning and various student support spaces, and a new learning space addition of 16,000 square feet. Completion date: Spring 2021.

The goal of the project is to create an integrated learning center that brings together several distinct components:

1. new, highly flexible STEM learning labs intended to serve a variety of disciplines, including Chemistry, Computer Science, Biology, Materials Science, and Physics
2. flexible, open-ended project labs, intended to support future learning initiatives, student projects, and new interdisciplinary courses
3. a Student Commons
4. Hub for Innovation in Learning and Technology (MSU’s Learning Innovation Center)
5. a Student Help Center
6. student studio space, for student project work

The combination of STEM learning spaces with various spaces for new learning initiatives is intended to create an integrated learning center with a focus on continual innovation.

The new STEM learning spaces were designed with an innovative new curriculum, building on team-based, active-learning initiatives. Each space is equipped with a cutting-edge technology infrastructure to allow the easy reconfiguration of lab tables. The spaces can also be re-configured for a variety of disciplines over time.

The mission of the Hub is to create, identify, and accelerate new ways to collaborate, learn, research, and deliver instruction at Michigan State, and the project seeks to integrate these aspirations into the culture of the overall STEM learning complex. Combined with the Student Help Center and Student Project Labs, these components integrate with the STEM learning spaces to create a multi-faceted and dynamic center for student learning.

CREDITS
Ellenzweig is serving as overall Design Architect and STEM Lab Programmer/Planner.
IDS is serving as Architect-of-Record and Design Architect for the Shaw Lane Power Plant Renovation.