

Newhart Middle School STEAM Building

CAPISTRANO UNIFIED
SCHOOL DISTRICT

The new STEAM building for Science, Technology, Engineering, Arts, and Mathematics was identified as a priority by CUSD and the city of Mission Viejo.



Open fall of 2021

- Funded by the Mission Viejo Redevelopment (RDA) school funds
- The new construction two-story, 22,475 sq. ft. building houses:
 - **Two Science Labs**
 - **Three Science Classrooms**
 - **Three Math Classrooms**
 - **Art Media/Video Production Lab**
 - **CTE Lab (Career Technical Education)**

CTE Lab highlights include:

Biotechnology & Genetics • CNC Lathe • CNC Mill • Animation
Computer Programming • Audio Production • Digital Photography
Digital Video Production • Flight Simulator • Engineering Structures
Graphic Design • Mastercam • 3D Printing • Solidworks

All labs and classrooms will be outfitted with the latest interactive “short throw” projectors along with an instructional audio system and wireless teacher microphone to deliver higher intelligible speech in surround sound.



The science and technology labs contain teaching stations, and teaching collaboration spaces between classrooms.

Wi-Fi bandwidth supports up to three devices per student and teacher.

An auditorium style seating area at the entrance of the building provides a gathering place for student collaboration and creativity, as well as a viewing area with a screen, projector, and speakers for presentations.



Energy Efficient

The entire STEAM building is equipped with an energy efficient lighting system that adjusts to daylight illumination. Classrooms and labs also have an energy efficient lighting system allowing teachers to set light levels in different areas of the room.

Drought resistant landscaping surrounds the building with drip irrigation.

